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City of Cambridge

Massachusetts

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THE

MAYOR'S ADDRESS

AT THE

ORGANIZATION OF THE CITY GOVERNMENT

April 1, 1912

AND

THE

ANNUAL REPORTS

MADE TO THE CITY COUNCIL

FOR THE

Year Ending March 31, 1912

Published by Order of the City Council Under the Direction
of the City Clerk

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INAUGURAL ADDRESS

OF

HON. J. EDWARD BARRY

APRIL 1, 1912

Gentlemen of the City Government:—

After a year's effort and endeavor as Mayor of the City of Cambridge to contribute something toward the advancement and progress of the city, to do something of benefit for the whole people of this municipality, it is gratifying and inspiring to feel that the results obtained, however wide the interval between aim and actual accomplishment, have received the approval of the people of our city, and I am sincerely thankful to the citizens of Cambridge for their recent generous endorsement.

In the administration of my office during the past twelve months, I have received admirable co-operation from all those who participated in the conduct of the city's affairs, and I wish to thank the City Council, the different administrative departments and the various commissions, for the good will they have shown at all times.

In my inaugural address of last year I stated it as my belief that the only true aim of government is the happiness of those governed, and that I could conceive of no higher aim for human service. My experience during the past year has but strengthened this belief. The happiness of an enlightened people, so far as it is affected by governmental agencies, can best be secured by a progressive administration, and we can only be progressive by constantly striving to attain completeness or perfection, by persistently endeavoring to approach nearer and nearer the ideal of municipal government—not to make any one class pre-eminently happy, but to make the whole people as happy as they can be made.

To attain this end, everybody must be willing to sacrifice something for the advancement of the common good. The few are not to be served at the expense of the many. The powerful and the strong shall not use their power and strength to benefit themselves at the expense of those less favored by nature, by environment, by education or by circumstance.

To apply these principles of government in the City of Cambridge, is perhaps, not so difficult as it may be elsewhere, for we have a large number of broad-minded and generous-spirited citizens who quickly sympathize with, and energetically support, any movement calculated to help those who need help; but there are still many who oppose municipal measures tending to benefit all the citizens, and it is probable that their conduct is due to the belief that the analogy between a private corporation and a municipal corporation is an accurate and complete one, and that a municipal corporation should be run on the same principles as a business corporation. Municipal corporations and private corporations, however, are founded on a vitally different basis. The object of a private corporation is mainly private gain—to get as much from the public as possible with the least possible expenditure. The object of a municipal corporation, on the contrary, is to give as much as possible to the people and to impose the lightest burden upon the people.

There are many other important differences between a private corporation and a municipal corporation, but it is only necessary to consider the difference in their respective objects and the different consequences which inexorably follow because of difference of object, to appreciate the danger of confounding the municipal corporation with the private corporation. As an illustration: looked upon from the point of view of a director of a private corporation, whose direct interests are most closely connected with the interests of his stockholders, one would naturally be forced, no matter what his sympathies with playgrounds as such, to consider the playground system an unnecessary expense and burden, conflicting not only with the interests, but the rights of his stockholders, because the main object of his corporation is to declare the largest possible dividends.

This same individual, acting as a member of a municipal corporation, and believing that his highest duty was the conservation of the health and happiness of even the humblest and most obscure individual in the community, might well regard playgrounds as a most profitable undertaking and investment for the city and would transmute into municipal achievement the principle contained in the statement of an eminent Massachusetts divine when he said, "He who helps a boy to become a strong and good man makes a contribution of the first order to the welfare of society." Illustrations might be multiplied which would show in the same way the different conclusions which result from these two points of view as to the aims of the municipal corporation. While I do not deny that much may be learned as to the economical handling of details from the best conducted private corporations, I am firmly of the belief that the spirit and purpose of the municipal corporation are entirely different from the spirit and purpose of the private corporation, and that this difference must be kept constantly in mind in the working out of our municipal problems.

It is a familiar thought that experience is our best teacher. In no field of endeavor is this thought more completely accurate, in my belief, than in the field of civic endeavor.

Out of the experiences of the past year, I respectfully bring to your attention certain reports, suggestions and recommendations.

FINANCIAL STATEMENT.

	March 31, 1911.	March 31, 1912.
Funded City Debt	$8,185,050.00	$8,452,250.00
Sinking Funds	2,111,262.86	*2,313,585.68
Net City Debt	$6,073,787.14	$6,138,664.32
Funded Water Debt	$3,247,600.00	$3,084,100.00
Water Sinking Fund	1,569,009.49	*1,542,087.30
Net Water Debt	$1,678,590.51	$1,542,012.70

The average net valuation for the years 1909, 1910 and 1911 is $109,488,338.33, which allows $1,315,860.05 for city purposes, and of this $547,441.69 must be appropriated for the schools.

The borrowing capacity for 1912 will be about $375,000.00. City Bonds amounting to $78,000.00 and Water Bonds of $132,500.00 will mature during the present financial year.

PLAYGROUNDS.

In my inaugural address of last year, a comprehensive plan for the development of playgrounds was recommended.

In the execution of that plan, the Playground Commission has been actively engaged all the year and with gratifying results. The development and use of the land connected with schoolhouses as

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*Approximate figures only.

playgrounds, affording to the pupils of the schools an opportunity for participating in the sports and out-door recreations best adapted to their physical development, has been commenced.

The Commission has, for some time, been engaged in the development of the Thorndike Field adjoining the Thorndike School in East Cambridge, and by the opening of the season one of the best types of athletic field and playground will be in operation.

This will include a first-class baseball diamond with bleachers, a basket-ball court and out-door gymnasium fully equipped. In addition to this, there will be a smaller playground for children, which shall have a large shelter for mothers and babies, baby swings, hammocks, under a pergola, teeter boards, high swings, merry-go-rounds, wading pools and other accessories.

The Commissioners also hope to develop the larger fields in somewhat the same manner during the summer.

My promise to provide an enclosed athletic field for school athletics and other competitive games is about to be realized. The city has purchased in the northerly end of the city a tract of land covering about 1,118,165 square feet, which has been named Russell Field, after our former distinguished Mayor and Governor, the beloved Russell.

Plans are being prepared for the development of this field, and it is the intention of the Commission to have it ready for use before the close of the season.

There cannot be any doubt but that the new playground department is being warmly appreciated by the people of this city. We need no further evidence of this than an examination of the attendance of the summer work of last year. The number of children enrolled was over six thousand and the average daily attendance was about four thousand. The intense interest of the parents was manifested throughout the season and was forcibly brought out by their large attendance at the closing exercises of the summer playground work.

This is as it should be and must be gratifying to all the citizens, and it is the most emphatic evidence that the playground movement has been already justified as a most important and progressive civic endeavor.

In connection with this subject, I desire to remind your honorable board that a petition was presented by the City of Cambridge at the present session of the Legislature requesting the consolidation of the Park and Playground Departments in the interest of economy, efficiency and harmony. The petition has been denied on the ground that it is a matter that concerns the City Government, and I therefore refer this question to you for your consideration and action.

PARK DEPARTMENT.

During the year 1911, this Department has made commendable progress in the construction of the driveway along the Esplanade.

A contract has been made for the erection of a floating bath-house in the Charles River Basin at East Cambridge, and this building will be completed and ready for use at the opening of the season.

In the work of moth extermination, three thousand estates, as well as nine thousand trees, have been cleaned. The report of the State Forester points out that Cambridge has done better work in this respect than any other city in the Commonwealth.

This Department has been energetic in the removal of dead trees throughout the city; more than four hundred and fifty dead trees have been cut down and taken away, while a similar number of young trees have been planted.

Greater attention than ever before has been given to providing skating places during the winter, and every available location has been flooded in order to afford the fullest opportunity for this winter recreation.

The city has petitioned the General Court for authority to borrow outside the debt limit an additional sum of money for park purposes. If this authority should be granted, it is the intention of the Park Commissioners to continue the work of the construction of the driveway along the Esplanade, to its completion, and they will undoubtedly appear before the City Council requesting an appropriation to carry on this work, which I hope will receive your favorable consideration.

The Commissioners also emphasize the necessity of providing for a new locker building at Magazine Beach, to which your attention is invited.

INDUSTRIAL COMMISSION.

The City of Cambridge has made some progress in her industrial development, but in my belief what it has done only foreshadows what it will do if our citizens keep firmly in mind the importance of having this municipality attain an industrial stature as impressive and powerful as its intellectual stature. It can be done, it ought to be done, and there is at present ample evidence that it will be done.

Last year I tried to emphasize our industrial opportunities, and for the promotion of them I recommended the appointment of an Industrial Commission, which was later authorized by the City Council, and today I can point with gratification to the work accomplished by this Commission. We have added to our city over one million dollars in taxable manufacturing property during the past twelve months, giving employment to nearly two thousand people, with an annual payroll of approximately $1,500,000, and increasing the products manufactured in Cambridge by over eight million dollars.

This is briefly what we have done. I now wish to say a further word about Cambridge as a manufacturing city. We have within our borders one hundred and forty-eight diversified industries, comprising two hundred and sixty-seven individual firms engaged in the manufacture of different commodities. We are offering to the manufacturer a city free from labor troubles, with excellent freight facilities, a city situated in the centre of a Metropolitan District, with a population of over 1,500,000 people, with the best transportation accommodations, making it possible for employees to reach our city by a five-cent carfare from any part of this large district. With the opening of the new Cambridge Subway, which taps the centre of our manufacturing sections, our advantages have been immeasurably increased in this respect. We ask the co-operation of every citizen in Cambridge in our efforts to make this, our city, the most prosperous in the Commonwealth.

STREET DEPARTMENT.

During the past year the Street Department has made some very important permanent improvements, chief of which was the opening of Commercial Avenue. The general work of the Department has been carried on in an exceedingly efficient manner.

One of the most important problems to be considered the coming year in the Street Department is that of the collection and disposal of household and light refuse. For the past twenty-five years this branch of the work has practically taken care of itself. Until five years ago the material gathered was at a premium and much of it was sold. Today it is extremely hard to get rid of it anywhere.

In 1892 the amount expended on this work was $15,500; in 1902, ten years later, it had increased to $29,000, and for the fiscal year just closed it amounted to $53,000. It is still growing with the city's increase in population, and is fast exceeding the present facilities for properly handling it. Practically all of the low land in the city, with the exception of the extreme western end, is now at grade, and has been generally utilized for factories and dwellings.

Up to the present time no provision has ever been made for the future of this work, and to my mind it is a most serious consideration. Naturally, as dumping places become more inaccessible and difficult to retain, unit costs of the work are bound to increase.

The two largest phases of the question are now the acquisition of suitable dumping places and the economical handling and hauling of the material. The first must be solved immediately and with a view to the needs of several years to come; the second can be approached with more deliberation. The present method of hauling by horses is slow and correspondingly expensive and will become more so when the dumping places are farther removed. Some investigation has been made during the year into the proposition to utilize the motor truck. One particularly was observed actually engaged in this line of work, and as these trucks are becoming generally adopted by coal-carrying and other concerns doing heavy trucking, I feel that a trial should be made with them in this branch of the work.

The coming year brings with it several important paving problems. Now that the Subway is completed and a reasonable time has elapsed to enable the sections built in the open cut to thoroughly settle, the streets so disturbed are now ready for permanent pavement.

Perhaps the most important is Massachusetts Avenue, from Lafayette Square to Inman Street. The matter of the financial consideration which the Boston Elevated Railway Company should pay to the city as its share of this work should be taken up at an early date, so as to enable the city to plan its work accordingly. I believe that the best pavement possible should be laid here and one that will satisfy the majority of business men and property owners.

That part of Massachusetts Avenue, between Quincy Square and Harvard Square, will probably be repaved by the Railway Company, so that the main highway through the city will be in first-class condition.

I recommend the continuance of existing pavements or the relaying of old pavements on other streets as far as the financial conditions of the city will admit.

Pursuant to a recommendation in the last inaugural address, a new incinerator has been provided and is fast approaching completion in the city yard at Raymond Street. It is expected that when placed in operation the unpleasant conditions surrounding the dumping places there will be alleviated.

The question of securing permanent dumping sites should be definitely decided the coming year. The places now used for that purpose are rapidly filling up and are becoming obnoxious to the surrounding communities.

Some idea of the quantity of material that the Department is being called upon to dispose of may be gained from a statement of the fact that during the past fiscal year approximately 150,000 cubic yards of material was collected.

As the normal increase is from eight to ten per cent. per year, the need of permanent dumping sites must be evident. There are several low areas in the northern and western end of the city that might be secured for this purpose, and, if secured, they would solve the problem for some years to come.

The city should either secure them by purchase or obtain privileges in them. In the event of their purchase they might be sold in a few years after being filled in, thereby reimbursing the city for their original purchase.

They are situated in a growing part of the city, and it is believed that a ready sale could be had if they were in condition to use as building sites.

SCHOOL DEPARTMENT.

The desire to make the schools of Cambridge more and more effective in all directions is perhaps as keen in Cambridge as in any other place in the world. But the accomplishment of this desire is one of the most difficult problems that is presented to modern civilization. The manifold demands and aspirations of modern life, the cosmopolitan nature of our people, the diversity of conditions, as well as many other important factors, present educational questions perplexing to the most learned educators and life-long workers in the educational field. In this field, endeavor can never cease, and at no time can we stop and say that the best has been accomplished.

But this, however, we can say, that the schools of Cambridge make enlightened and comprehensive provisions for the needs of our children and are striving to keep in touch with every true advance.

For the attainment of this end, we have unusual advantages and opportunities, because Cambridge is a city rich in educational accomplishment and potent in educational promise. To neglect the importance of these advantages would be almost moral treason, but of that there is no danger in Cambridge, if the work which is now going on in our School Department can be taken as a criterion.

The School Board, following the recommendations made in the inaugural address of last year, has granted a moderate increase in the salaries of the teachers of the lower grades.

The new Thorndike School, located on Spring Street, East Cambridge, will be completed and ready for occupancy at the opening of the fall term. This will be one of the largest school buildings in the city, and will be one of the best in the country. In addition to the ordinary features of school construction, it will contain a school hall with a seating capacity of nine hundred. This hall, being located on the ground floor, is so easy of access as to make it more attractive than any other school hall in the city.

It may be used for gymnastic exercises by the pupils and for gatherings of various kinds by the citizens at large.

The school will have a system of baths which will accommodate a large number of the public in addition to the pupils of the school. These special features of the school building, in addition to the admirable playground connected therewith, is a splendid advance in the scope of the city's work for the citizens and their children, and will be an inspiration not only for similar undertakings in Cambridge, but throughout the Commonwealth. For it is one of the attributes of a good institution, wherever placed, that it impels action in those who might otherwise have been content with the things that were.

During the year the School Committee has established an industrial course open to all boys of fourteen years of age, not necessarily graduates of the grammar school, and a dozen boys are now engaged learning the trade of printing, with established hours for a day's work, from eight-thirty a. m. to five o'clock p. m.

It is also intended to introduce the study of the various woodworking and the metal-working trades in this Department as demand requires it.

The establishment of similar courses for girls in dressmaking and millinery has been deferred, but it is hoped that these courses for girls will be well under way during the coming year.

During the year the school buildings have been used by the people outside of the regular hours for various purposes. Some classes have been established, and volunteer teachers are engaged in teaching English to a great number of our non-English-speaking citizens. For the first time the schools have been used at a nominal rental for the purpose of public meetings. Also the Dowse Course of Lectures, well established in this city, under the direction of the Trustees of the Dowse Institute, has used our public schoolhouses for lecture and other purposes.

PUBLIC BUILDINGS DEPARTMENT.

The Public Buildings Commission, which has considered many of the problems of the city with reference to its public buildings, is now at work upon some sketch plans for the construction of a new central fire headquarters in Inman Square. The Commission expects to submit a report in connection with this proposition immediately for the consideration of the City Council.

The best evidence that we are living in a thriving community is the increasing valuation of building operations from year to year, as the following table shows:—

Estimated Cost of Building Operations.

1908	$2,123,470
1909	2,249,745
1910	2,341,425
1911	2,915,525

The cost of building operations last year exceeded the average cost for previous years by more than one-half a million dollars, aggregating as it did almost three million dollars.

The enormity of the average yearly fire loss in this country is such that it behooves every city to consider ways and means of diminishing this loss, and I would recommend that measures be taken, by ordinance or otherwise, to encourage or even compel the construction of more fireproof buildings. A campaign of education along these lines would be of great value inasmuch as it is not generally appreciated that the difference today between the first cost of a fireproof and a wooden building is not very great, and that the cost of maintenance renders the fireproof building actually cheaper in the course of years.

POLICE DEPARTMENT.

It is gratifying to observe that the conduct of this Department during the past year has been efficient and harmonious.

The Department has been increased by fourteen reserve men in compliance with an order passed in the closing days of last year's administration. The reserve force has now reached the limit allowed by law, namely twenty-five men.

A flash-light system has recently been installed in this Department, which will give increased efficiency in the protection of the general public. Under this system, whenever there is urgent and immediate need of police officers, they are notified from any of the various stations by the flashing of a light, and promptly respond to the nearest patrol box to receive instructions.

I hope that the finances of the city will permit the purchase of a combination patrol and ambulance automobile, as I am firmly convinced that the service of the Department would be greatly improved thereby.

FIRE DEPARTMENT.

The attention of the City Council is invited to the recommendations of the Chief of the Fire Department, namely:

The construction of the new station for Engine No. 5 in Inman Square, and also for Engine No. 1 and Ladder No. 1 in Brattle Square; also more adequate accommodations for the men in both of these stations. He further calls attention to other minor improvements which can be attended to without great expense to the city.

I desire at this time to renew my recommendation made last year for an automobile combination hose and chemical apparatus for the use of the Department.

FIRE HAZARD COMMISSION.

A constant and ever-threatening menace in Cambridge, as in every other municipality, and one to which immediate consideration must be given, if it is to be successfully combated, is the inadequacy of the protective methods now in vogue as compared with the existing fire hazards.

The conflagrations of Chelsea, Bangor, Baltimore and San Francisco are tragic examples of the danger which Cambridge must avoid.

To expend large sums of money in providing and maintaining a Fire Department, and to forget the fundamental preventive, to wit, the proper regulation of building construction is, to my mind, both unwise and dangerous. To supply this deficiency, I recommend the appointment of a Fire Hazard Commission of five members, to be selected from the citizens at large, to serve without salary. This Commission should make a complete investigation and thorough study of conditions relating to the fire hazard, and report such recommendations to the Mayor and City Council as it may deem proper.

The same commission might well consider the feasibility of a system of city planning which would add to the safety, convenience and even the beauty of our streets, parks and squares. A little foresight now might save future generations much trouble and expense.

The value and present necessity of this Commission will be appreciated when we consider that Cambridge is on the eve of an era of expansion resulting from the opening of the new Cambridge subway, the advent of new manufacturing establishments and the replacement of many of our older dwelling houses by up-to-date apartment buildings. A further benefit resulting from enlightened regulation would be the decrease in existing insurance rates.

Every fire in our midst means a direct loss to the people, for the people pay the insurance premiums. Many progressive cities and towns have taken up this work long since, and it is fitting that Cambridge should join their ranks.

WATER DEPARTMENT.

We are entering on the new year with an abundant supply of water. There is substantially a year's supply in storage. Stony Brook Reservoir is full to overflowing, and Hobbs Brook Basin and Fresh Pond are nearly full, and will undoubtedly be completely filled within a month. As conditions are such as to warrant the belief that we shall continue to keep the reservoirs full for a month to come, the city is practically insured against any possible shortage of water during the coming year.

Although from various necessary causes, the cost of maintenance has been $10,000 more than ordinarily, and, notwithstanding that this year a revision of the rates was made which reduced the receipts about $21,000, yet the increase in the receipts for metered water and the saving in interest and sinking fund requirements has resulted in a surplus for the year of at least $12,000 above all charges for maintenance, interest and sinking fund requirements.

The Water Board has under consideration the Reports of Consulting Engineer Frederic P. Stearns, Professor Hector J. Hughes of Harvard University, and a preliminary report of City Engineer Lewis M. Hastings, each of whom has during the past year made exhaustive studies of our water supply.

The Board has not as yet reached a decision as to the best solution of the problem, but will undoubtedly report to the present City Government its recommendation.

ASSESSORS' DEPARTMENT.

Owing to the distribution of two large estates, the city lost during the year over $2,000,000 in taxable personal property. On the other hand, it gained about $150,000 on new personal property, and over $1,000,000 on real estate values.

The tax rate for 1911 was twenty cents less than the previous year and the lowest which we have had for four years, and it is to be hoped that it will be kept within that limit for several years to come.

The Board of Assessors constitute one of the most important departments in our city, and many improvements have been made in this department in recent years. The equitable assessment of real estate is a problem which has given the Assessors much concern, and in some instances has led to considerable litigation. The Board has at present under consideration the introduction of a new and more scientific system of assessing real estate values, and I strongly recommend that the City Council co-operate with them to the extent of making an appropriation sufficient to meet the expenses necessary for the introduction of this system. The amount needed will not be large, as most of the work will be done by the Assessors themselves with the aid, in the preliminary stages, of an expert whose services can be procured at a very moderate figure.

The plan is founded on the elements of publicity, co-operation from the citizens at large, and uniformity in valuations.

The method of procedure is to prepare a map of the city divided up into districts, with certain corner lots as the unit of value. When this map is prepared, public hearings are to be held by the Assessors, at which hearings the public in general will be invited, and all large real estate owners, investment committees of savings banks, co-operative banks and trust companies, together with real estate operators and other persons possessing expert knowledge will be requested to offer opinions. The estimates thus procured will be tabulated and, as a result, an average will be struck and individual assessments laid with corner lots as the unit of value, and contiguous lots diminishing in value on a regularly established sliding scale.

When these figures are fixed the map can be photographed, and reduced maps of the city can be published, showing the values which the Assessors have placed on various localities, giving enough description to enable the citizens to figure out their own valuations and compare them with those placed on neighboring properties.

Such a scientific assessment in Cambridge would fortify the Assessors in their efforts to equitably assess all real estate, overcome to a large extent appeals to the County Commissioners, as their valuations would be backed up by public opinion, create a more stable real estate market and thus place business on a firmer basis.

BOARD OF HEALTH.

During the past year the number of cases among the more common contagious and infectious diseases taken as a whole is about the same as in the year preceding.

A great decrease has taken place in typhoid fever, however, for in 1911 we had but fifty-six cases, fourteen less than in 1910, and less than any year since 1880, a period of thirty-one years.

This we may possibly attribute to a more strict regulation of the conditions of the sale and care of milk.

Tuberculosis for two or three years has been reported in decreasing numbers, until in 1911 there were but two hundred and forty-three new cases reported.

Our efficiency in caring for cases of tuberculosis has been gradually increasing; from the one building for day patients, built in 1908, we have increased by the addition of two shacks, each holding twenty-five beds, and again by taking one of the large rooms in the main building for a sick ward, and finally, during the past year, by building an extension which will increase our capacity from sixty to eighty, or more, and make it possible for us to have all of our nurses and assistants on the spot at all times.

We are doing much more efficient work now as a hospital than we ever could accomplish as a day camp. It is interesting to note, that of four hundred and eighty-seven patients to whom we could offer treatment, we have admitted thirty-five and eight-tenths per cent. Of this number, thirty-nine per cent. have left or have been discharged, improved. Our hospital is nearly always full, and as a rule, we have a waiting list.

The work of sanitary inspection has been more active than ever before. We have made special efforts to improve toilet conditions in the tenement houses, and considering the limited means at hand, have accomplished splendid results, in making owners and agents provide suitable accommodations for their tenants.

NEW MUNICIPAL HOSPITAL.

By the acceptance by the voters of Cambridge of an act of the Legislature, Cambridge is authorized to borrow one hundred and fifty thousand dollars outside of the debt limit for the construction of a municipal hospital.

This hospital is to be managed by a board of five trustees, and the work of construction should begin during the current years. The completion of this hospital will supply a long-felt want, and I am confident that Cambridge will have one of the best institutions of its kind in the comomnwealth.

DAUGHTERS OF THE AMERICAN REVOLUTION.

A number of patriotic women of this city, members of the Hannah Winthrop Chapter, National Society of the D. A. R., are displaying much interest in the erection of a Memorial Flag Staff in this city in honor of the men of Cambridge who fought in the Revolutionary War.

They are seeking support and encouragement from the people of Cambridge, and the approval of the enterprise by representatives of the people in the City Council.

Already the city has appropriated for the purpose of assisting in this work the sum of five hundred dollars. This sum has been transmitted to the ladies interested, and I respectfully recommend that the matter of further approval of the subject be given your early consideration.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

We rejoice at the coming into Cambridge of the Massachusetts Institute of Technology.

Its advent will place our city in the unique position of being the abode of two of the most renowned educational institutions in the world.

The advantages resulting from its location here cannot be adequately estimated, but one of its first and immediate benefits will be the opportunity given to deserving Cambridge boys for technical education through the granting of free scholarships, which have been promised by its president.

HARVARD UNIVERSITY.

The most cordial relations exist between Harvard University and the City of Cambridge. The University has acted in a generous spirit with the city, thus giving a practical and substantial demonstration of the advantages of having such an institution in our midst.

It has furnished most valuable expert assistance to our Water Board and the Public Buildings Commission, and at my request, is now assisting the Harvard Square Business Men's Association in an improved plan for the development of Harvard Square.

The University has, moreover, indicated a readiness to furnish further expert opinions upon request.

The youth of our city have received the benefit of free admissions to baseball, football and other athletic contests, and have also been accorded the use of its athletic field.

During the year 1911, announcement was made of free scholarships to deserving Cambridge scholars, and many of our Cambridge boys have been the beneficiaries of this generous offer.

The people of Cambridge are not only justly proud of this great institution of learning, but they are also deeply grateful for its munificence.

Gentlemen of the City Council:—

I know that you, as well as I, with the experience of the past year as a basis, feel and perceive that much can be done in the coming year which was not even perceived in the beginning of our service, and I know that you agree with me when I say that contentment with past performance leads inevitably to inaction and obscure vision of present duty. No man, or set of men, can hope to even see, less do, all that should be done for so fair a city as we are proud to serve, but there is no man so limited in capacity of vision that his endeavor may not be made fruitful and worthy of his own self-respect.

To do less indicates a lack of sensibility and violation of the plain duty that leads to but one result—self-contempt and public odium.

Our fellow-citizens have given our year's service a generous endorsement. I personally feel deeply indebted to you for the cooperation and support, which seemed to me necessary and wise. We have made a good beginning and we have helped Cambridge on its way to a progressive future. Its possibilities along every line of human endeavor are unlimited. Its traditions and past are conspicuously rich in the fruits that dignify and inspire.

It is our privilege and our duty to be not only worthy of the trust imposed upon us by those we represent, but to make Cambridge a better city in every aspect that our abilities will permit.

"Not failure, but low aim, is crime," is the thought of a distinguished Cambridge poet. The sentiment and truth of that thought can be reflected in the endeavor of Cambridge public officials, and I know that you join with me in striving that it will be in ours.

ANNUAL REPORTS

Annual Report of the City Auditor

City Auditor's Office,
April 1, 1912.

To the Honorable, the City Council:—

The undersigned herewith presents a statement of the receipts and payments of the City of Cambridge for the year beginning on the first day of April, 1911, and ending on the thirty-first day of March, 1912.

The first part of this report is devoted to an exhibit arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics of the Commonwealth of Massachusetts. Following these schedules are presented detailed statements arranged in the same order, together with the usual matters given in the Auditor's report, including a schedule of the city property.

Respectfully submitted,

CHARLES H. THURSTON,

City Auditor.

REPORT OF CITY AUDITOR

FOR THE YEAR ENDING MARCH 31, 1912

SCHEDULE A—I

RECEIPTS AND PAYMENTS OF THE FISCAL YEAR

Consolidated Statement

Cash Balance at the beginning of the year		$344,496 30
Actual Payments* during the year	$3,523,116 95	
Actual Receipts* during the year	3,331,290 59	
Excess of Payments		191,826 36
Cash Balance at end of year		$152,669 94

*Omitting temporary accounts.

SCHEDULE A—II

General Exhibit of Receipts and Payments of the Fiscal Year

	Receipts	Payments
*Revenue Accounts (Operation and Maintenance)	$2,617,302 14	$2,835,202 20
*Non-Revenue Accounts (Construction, etc.)	445,206 36	419,781 16
Agency Transactions	268,782 09	268,133 59
TOTAL ACTUAL CASH TRANSACTIONS OF THE YEAR (omitting temporary accounts)	$3,331,290 59	$3,523,116 95
Temporary Loans	400,000 00	400,000 00
Redemption of Debt from Sinking Funds	286,000 00	286,000 00
	$4,017,290 59	$4,209,116 95

Actual Financial Result of the Operation and Maintenance of the City for the Year

Revenue Receipts, as above, from taxation and other sources, not including money borrowed		$2,617,302 14
Revenue Payments, as above, for operation and maintenance (running expenses)		2,835,202 20
Excess of Revenue Payments for the year		$217,900 06
Excess of Non-revenue Receipts	$25,425 20	
Excess of Agency Transactions	648 50	
		26,073 70
Excess of Payments		$191,826 36

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*These terms replace the former titles "ordinary" and "extraordinary."

SCHEDULE A—III

RECEIPTS

Fiscal year ending March 31, 1912

REVENUE	
General	
I. Taxes:	
1. Property	$1,853,298 12
2. Poll	
3. Corporation	142,084 00
4. Street Railway (exclusive of B. E. R'y excise tax)	67,118 02
5. Bank	18,566 66
II. Licenses and Permits:	
a. Licenses	
1. Liquor	46 25
2. All Others	3,370 00
b. Permits	
1. Marriage	1,315 00
2. All Other	
III. Fines and Forfeits:	
1. Court	3,392 12
IV. Grants and Gifts:	
a. Grants from the County	
1. Dog Licenses	4,436 39
V. All Other General Revenue	
Commercial	
I. Special Assessments:	
a. To meet expenses for	
1. Street Sprinkling	32,354 64
2. Moth Extermination	2,077 84
b. To meet outlays for	
1. Sewers	3,434 06
2. Sidewalk and Curbing	7,879 39
II. Privileges:	
1. Public Service	12,441 92
2. Minor	
III. Departmental:	
1. General Government	5,476 05
2. Protection of Life and Property	2,342 89
3. Health and Sanitation	23,748 85
4. Highways and Bridges	3,049 62
5. Charities	8,383 76
6. Soldiers' Benefits	14,085 00
7. Education	10,561 63
8. Libraries	898 66
9. Recreation	2,859 92
10. Non-classified	308 62
IV. Public Service Enterprises:	
1. Water	364,137 41
2. Public Scales	22 29
3. Rental of Dock	
V. Cemeteries	19,275 06
VI. Administration of Invested Funds	
VII. Interest	21,651 42
Amount carried forward	$2,628,615 59

Schedule A—III—Continued

PAYMENTS

Fiscal year ending March 31, 1912

Maintenance	
I. Departmental:	
1. General Government	$113,638 06
2. Protection of Life and Property	361,462 70
3. Health and Sanitation	252,345 41
4. Highways and Bridges	255,614 79
5. Charities	59,524 68
6. Soldiers' Benefits	26,692 26
7. Education	541,878 72
8. Libraries	29,388 05
9. Recreation	68,904 48
10. Unclassified	6,898 67
II. Public Service Enterprises:	
1. Water	100,443 11
2. Public Scales	23 80
III. Cemeteries	18,304 21
IV. Administration of Invested Funds	605 00
Interest	
1. Loans for General Purposes	306,214 25
2. Loans for Public Service Enterprises	122,522 75
3. Loans for Cemeteries	140 00
4. Annuities	1,500 00
5. Temporary Tax Loans	3,927 62
6. Metropolitan Interest Requirements	131,029 98
7. State Assessment, Grade Crossing Loan	240 00
Amount carried forward	$2,401,298 54

Schedule A—III—Continued

RECEIPTS

Fiscal year ending March 31, 1912

NON-REVENUE	
Amounts brought forward	
Offsets to Outlays	
I. Departmental:	
1. General Government	$2,628,615 59
2. Protection of Life and Property	
3. Health and Sanitation	
4. Highways and Bridges	8,427 50
5. Charities	
6. Education	
7. Libraries	
8. Recreation	
9. Unclassified	1,500 00
II. Public Service Enterprises:	
1. Water	15,332 24
III. Cemeteries	
Municipal Indebtedness	
1. Temporary Loans	400,000 00
2. Loans for General Purposes	365,200 00
3. Loans for Public Service Enterprises	34,000 00
4. Loans for Cemeteries	8,000 00
5. Premiums	1,433 17
6. Unpaid Warrants of Current Year	
From Sinking Funds	286,000 00
Agency, Trust and Investment Transactions	
I. Agency:	
1. Taxes:	
a. State	156,860 00
b. Non-resident Bank	4,305 81
c. County	100,150 57
2. Liquor Licenses Collected for the State	15 75
II. Trust:	
1. Perpetual Care Funds	7,439 96
2. Other Permanent Public Trust Funds	10 00
3. Income for Investment	
4. Private Trust Funds and Accounts	
III. Investment:	
1. Sinking Fund Securities	
2. Investment Fund Securities	
Total Receipts	$4,017,290 59
Amounts carried forward	

Schedule A—III—Continued

PAYMENTS

Fiscal Year ending March 31, 1912

Amounts brought forward	$2,401,298 54
Outlays	
I. Departmental:	
1. General Government	$2,337 58
2. Protection of Life and Property	3,919 19
3. Health and Sanitation	45,257 03
4. Highways and Bridges	177,111 15
5. Charities	
6. Education	70,379 37
7. Libraries	
8. Recreation	70,239 40
9. Unclassified	
II. Public Service Enterprises:	
1. Water	46,504 66
III. Cemeteries	4,032 78
Municipal Indebtedness	
1. Temporary Loans	$400,000 00
2. Bonds and Notes from Sinking Funds	286,000 00
3. Bonds and Notes from Revenue	12,500 00
4. Metropolitan Sinking Fund Requirements	34,086 62
5. State Assessment for Abolition of Grade Crossings Loan Fund	2,000 00
6. State Assessment for Charles River Basin Loan Fund	19,325 86
To Sinking Funds	
1. From Revenue	365,990 18
Agency and Trust Transactions	
I. Agency:	
1. Taxes:	
a. State	156,860 00
b. Non-resident Bank	4,305 81
c. County	100,150 57
2. Liquor Licenses collected for the Commonwealth	15 75
II. Trust:	
1. Perpetual Care Funds	6,791 46
2. Other Permanent Public Trust Funds	10 00
Total Payments	$4,209,115 95

Schedule A—III—Concluded

RECAPITULATION—RECEIPTS

Revenue:	
For Current Charges	$2,617,302 14
For Outlays	11,313 45
Offsets to Outlays	25,259 74
Municipal Indebtedness	808,633 17
From Sinking Funds	286,000 00
Agency, Trust and Investment Transactions	268,782 09
Total Receipts	$4,017,290 59
Balance on hand, beginning of year	344,496 30
GRAND TOTAL	$4,361,786 89

Schedule A—III—Concluded

RECAPITULATION—PAYMENTS

Current Charges against Revenue:	
Maintenance and Interest	$2,401,298 54
Debt	67,912 48
Sinking Funds	365,990 18
Outlays	419,781 16
Debt from Sinking Funds	286,000 00
Temporary Loans	400,000 00
Agency, Trust and Investment Transactions	268,133 59
Total Payments	$4,209,116 95
Balance on hand, end of year	152,669 94
GRAND TOTAL	$4,361,786 89

SCHEDULE A—IV

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Revenue for Outlays	Total
GENERAL REVENUE			
1. TAXES			
Current Year:			
1. Property	$1,759,939 63		
2. Poll			
Previous Years:			
3. Property	93,358 49		
4. Poll			
From the State:			
5. Corporation	142,084 00		
6. Street Railway (exclusive of Boston Elevated excise tax)	67,118 02		
7. Bank	18,566 66		
Total from Taxes	$2,081,066 80		$2,081,066 80
2. LICENSES AND PERMITS			
Licenses:			
8. Liquor	$46 25		
9. All Other	3,370 00		
Permits:			
10. Marriage	1,315 00		
11. All Other			
Total from Licenses and Permits	$4,731 25		4,731 25
3. FINES AND FORFEITS			
12. Court	$3,392 12		
13. Department Penalties			
14. Contract Violations			
Total from Fines and Forfeits	$3,392 12		3,392 12
Total forward			$2,089,190 17

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Revenue for Outlays	Total
Total forward			$2,089,190 17
4. GRANTS AND GIFTS			
Grants from Other Civil Divisions:			
15. From State, for Education			
a. Support of Public Schools......			
b. Aid to High Schools...........			
c. Aid to Industrial Schools			
d. High School Tuition			
e. Union Superintendency			
16. From State, for Armories..........			
17. From State, for Highway Purposes			
18. From State, for Other Purposes...			
a. Inspector of Animals			
b. Protection against Forest Fires			
c.			
d.			
19. From County (Dog Licenses), for Schools or Libraries.............	$4,436 39		
Gifts from Individuals:			
20. For Expenses			
21. For Outlays			
Total from Grants and Gifts......	$4,436 39		4,436 39
5. ALL OTHER GENERAL REVENUE			
22.			
23.			
Total from All Other General Revenue			
Total forward			$2,093,626 56

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Revenue for Outlays	Total
Total forward			$2,093,626 56
COMMERCIAL REVENUE			
6. SPECIAL ASSESSMENTS			
24. Street Sprinkling	$32,354 64		
25. Moth Extermination	2,077 84		
26. Sewers		$3,434 06	
27. Sidewalks and Curbing............		7,879 39	
28. Other Purposes			
Total from Special Assessments..	$34,432 48	$11,313 45	45,745 93
7. PRIVILEGES			
29. Public Service	$12,441 92		
30. Minor			
Total from Privileges.............	$12,441 92		12,441 92
Total forward			$2,151,814 41

RECEIPTS

Schedule A-IV—Continued

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,151,814 41
8. DEPARTMENTAL			
8a. General Government			
Legislative:			
31. Aldermen and Council; Moderator			
Executive:			
32. Mayor; Commission; Selectmen....			
Financial:			
33. Auditor, Accountant, and Auditing			
34. Treasurer	$2,250 00		
35. Collector			
36. Assessors			
37. License Commissioners			
38. Other Finance Offices and Accounts			
Other General Departments:			
39. Law			
40. City or Town Clerk...............	1,214 55		
General Government forward	$3,464 55		
Total forward			$2,151,814 41

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
1. DEPARTMENTAL			
1a. General Government			
Legislative:			
1. Aldermen and Council			
a. Salaries and Wages	$4,680 00		
b. Other Expenses	4,658 70		
Executive:			
2. Mayor			
a. Salaries and Wages	5,800 00		
b. Other Expenses	570 47		
Financial:			
3. Auditor, Accountant, and Auditing			
a. Salaries and Wages	4,005 00		
b. Other Expenses	400 73		
4. Treasurer			
a. Salaries and Wages	11,980 73		
b. Other Expenses	3,896 47		
5. Collector			
a. Salaries and Wages			
b. Other Expenses			
6. Assessors			
a. Salaries and Wages	12,906 14		
b. Other Expenses	1,712 71		
7. License Commissioners			
a. Salaries and Wages			
b. Other Expenses			
8. Other Finance Offices and Accounts			
a. Sinking Fund Commissioners...			
b. Miscellaneous	225 00		
Other General Departments:			
9. Law			
a. Salaries and Wages	3,205 38		
b. Other Expenses	535 87		
10. City Clerk			
a. Salaries and Wages	7,796 17		
b. Other Expenses	1,306 00		
General Government forward	$63,679 37		

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,151,814 41
General Government forward	$3,464 55		
41. City Messenger			
42. Public Works			
43. Engineering			
44. Superintendent of Buildings.......			
45. Election and Registration..........			
46. Other General Departments........			
Municipal Buildings:			
47. City Hall	$2,011 50		
Total from General Government...	$5,476 05		5,476 05
8b. Protection of Persons and Property			
Police Department:			
48. Services of Officers................			
49. Sale of Materials..................	$1,191 02		
50. Miscellaneous	146 95		
Protection of Persons and Property forward	$1,337 97		
Total forward			$2,157,290 46

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
General Government forward	$63,679 37		
11. City Messenger			
a. Salaries and Wages	$1,767 50		
b. Other Expenses	311 05		
12. Public Works			
a. Salaries and Wages			
b. Other Expenses			
13. Engineering			
a. Salaries and Wages	4,404 43		
b. Other Expenses	713 79		
14. Superintendent of Buildings			
a. Salaries and Wages	3,146 67		
b. Other Expenses	1,026 21		
15. Election and Registration			
a. Salaries and Wages	10,527 12		
b. Other Expenses	7,031 12		
16. Other General Departments........	328 70		
Municipal Buildings:			
17. City Hall			
a. Salaries and Wages............	12,411 17		
b. Other Expenses	8,290 93	$2,337 58	
Total for General Government....	$113,638 06	$2,337 58	$115,975 64
1b. Protection of Persons and Property			
Police Department:			
18. Salaries and Wages................	$165,710 55		
19. Horses and Care of Same...	939 25		
20. Equipment and Repairs............	1,858 97		
21. Fuel and Light....................	1,859 90		
22. Maintenance of Buildings and Grounds	371 08		
23. New Buildings			
24. Pensions	6,894 66		
25. Other Expenses	1,797 97		
Protection of Persons and Property forward	$179,432 38		
Total forward			$115,975 64

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,157,290 46
Protection of Persons and Property forward	$1,337 97		
Fire Department:			
51. Sale of Materials			
52. Miscellaneous	$120 00		
Militia:			
53. Armories			
54. Rifle Ranges			
Inspection:			
55. Inspection of Buildings			
56. Inspection of Wires	25 00		
57. Sealing of Weights and Measures	778 17		
Forestry:			
58. Insect Pest Extermination	81 75		
59. Planting and Trimming Trees			
60. Forest Fires			
Other Protection of Persons and Property:			
61. Bounties			
62.			
63.			
Total from Protection of Persons and Property	$2,342 89		2,342 89
Total forward			$2,159,633 35

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$115,975 64
Protection of Persons and Property forward	$179,432 38		
Fire Department:			
26. Salaries and Wages	$111,153 97		
27. Horses and Care of Same	11,023 23		
28. Equipment and Repairs	5,249 14		
29. Hydrant Service			
30. Fuel and Light	4,373 16		
31. Maintenance of Buildings and Grounds	2,273 12		
32. New Buildings			
33. Pensions	7,283 08		
34. Other Expenses	332 30		
Militia:			
35. Armories	760 50		
36. Rifle Ranges	1,152 42		
Inspection:			
37. Inspection of Buildings	3,712 07		
38. Inspection of Wires	2,103 00		
39. Sealing of Weights and Measures	3,431 17		
Forestry:			
40. Insect Pest Extermination	6,965 36		
41. Planting and Trimming Trees	10,049 29	390 00	
42. Forest Fires			
Other Protection of Persons and Property:			
43. Bounties			
44. Fish Wardens			
45. Electrical Department (Police and Fire together)	12,168 51	3,529 19	
46.			
Total for Protection of Persons and Property	$361,462 70	$3,919 19	$365,381 89
Total forward			$481,357 53

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,159,633 35
8c. Health and Sanitation:			
Health:			
64. Quarantine and Contagious Disease Hospitals	$2,612 52		
65. Tuberculosis	4,640 64		
66. Miscellaneous	483 95		
67. Inspection			
Sanitation:			
68. Sewers and Sewage Disposal......	186 77		
69. Sewer Construction			
70. Refuse and Garbage Disposal......	15,824 97		
71. Street Cleaning			
Other Health and Sanitation:			
72.			
73.			
Total from Health and Sanitation..	$23,748 85		23,748 85
Total forward			$2,183,382 20

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$481,357 53
1c. Health and Sanitation			
Health:			
47. General Administration	$7,698 25		
48. Quarantine and Contagious Disease Hospitals	15,450 40	$7,475 80	
49. Tuberculosis	20,442 82		
50. Vital Statistics	810 66		
51. Other Expenses	4,747 16		
52 Inspection			
a. Inspection of School Children	3,559 11		
b. Inspection of Animals	873 14		
c. Inspection of Meat and Provisions	1,500 00		
d. Inspection of Milk and Vinegar	3,442 37		
Sanitation:			
53. Sewer Maintenance and Operation	18,238 97		
54. Metropolitan Sewer Maintenance	30,072 58		
55. Sewer Construction		$35,482 85	
56. Refuse and Garbage Disposal	99,093 13	2,222 63	
57. Street Cleaning	46,068 67	75 75	
Other Health and Sanitation:			
58. Sanitaries and Public Convenience Stations	15 55		
59. Care of Brooks and Streams			
60. Draining of Ponds			
61. Abatement "Smoke Nuisance"	332 60		
Total for Health and Sanitation	$252,345 41	$45,257 03	297,602 44
Total forward			$778,959 97

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,183,382 20
8d. Highways (including Bridges)			
74. General	$1,114 08		
75. Construction		$8,427 50	
76. Sidewalks and Curbing	1,631 28		
77. Snow and Ice Removal			
78. Sprinkling			
a. Water	304 26		
b. Other			
79. Lighting			
80. Miscellaneous			
Total from Highways (including Bridges)	$3,049 62	$8,427 50	11,477 12
8e. Charities			
81. Almshouse or Town Farm			
a. Sale of Produce and Stock	$4,286 59		
b. Board			
c. Miscellaneous	96 98		
82. Reimbursements (except for Municipal General Hospitals)			
a. From Individuals	562 91		
b From Other Cities and Towns	2,049 93		
c. From the State	1,387 35		
83. Municipal General Hospitals			
84. Miscellaneous			
Total from Charities	$8,383 76		8,383 76
Total forward			$2,203,243 08

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$778,959 97
1d. Highways (including Bridges)			
62. General Administration	$8,195 05		
63. General Highway Expenditures	111,950 58	$3,812 19	
64. Construction		148,169 38	
65. Sidewalks and Curbing	8,174 79	25,129 58	
66. Snow and Ice Removal	6,689 21		
67. Sprinkling			
a. Water	30,445 80		
b. Other	6,839 19		
68. Lighting	83,289 92		
69. Other Expenses			
a. Town Pump			
b. Signs, Guide Boards, and Street Numbering	30 25		
c.			
Total for Highways (including Bridges)	$255,614 79	$177,111 15	432,725 94
1e. Charities			
70. General Administration	$4,389 52		
71. Almshouse or Town Farm	28,958 89		
72. Outside Relief by City	15,257 64		
73. Relief given by Other Cities and Towns	6,913 27		
74. Hospitals			
a. Municipal General			
b. Private or Quasi-public			
75. Other Expenses	4,005 36		
Total for Charities	$59,524 68		$59,524 68
Total forward			$1,271,210 59

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,203,243 08
8f. Soldiers' Benefits			
85. State Aid	$13,081 00		
86. Military Aid	249 00		
87. Soldiers' Burials	629 00		
88. Soldiers' Relief	126 00		
Total from Soldiers' Benefits......	$14,085 00		14,085 00
8g. Education			
89. Tuition and Transportation of State Wards	$718 00		
90. Other Tuition	8,704 75		
91. Sale of Text Books and Supplies..	920 11		
92. Miscellaneous	218 77		
Total from Education	$10,561 63		10,561 63
8h. Libraries			
93. Fines, Rentals, and Sales..........	$898 66		
94. Miscellaneous			
Total from Libraries..............	$898 66		898 66
Total forward			$2,228,788 37

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$1,271,210 59
1f. Soldiers' Benefits			
76. General Administration	$753 75		
77. State Aid	11,829 00		
78. Military Aid	761 00		
79. Soldiers' Burials	486 00		
80. Soldiers' Relief	12,862 51		
Total for Soldiers' Benefits	$26,692 26		26,692 26
1g. Education			
81. General Expenses			
a. Administrative Salaries	$5,350 00		
b. Other General Salaries	10,509 48		
c. Other General Expenses	2,555 89		
82. Teachers' Salaries	404,904 69		
83. Text Books and Supplies	27,051 91		
84. Tuition	206 17		
85. Transportation	324 00		
86. Support of Truants	1,579 06		
87. Janitors' Services	43,496 52		
88. Fuel and Light	26,113 96		
89. Maintenance of Buildings and Grounds	16,691 38		
90. New Buildings		$70,379 37	
91. Furniture and Furnishings	2,303 86		
92. Rent			
93. Other Expenses	791 80		
Total for Education	$541,878 72	$70,379 37	612,258 09
1h. Libraries			
94. Salaries and Wages	$16,375 61		
95. Books, Periodicals, etc.	6,694 39		
96. Binding	1,287 76		
97. Fuel and Light	1,411 88		
98. Buildings	885 07		
99. Other Expenses	2,733 34		
Total for Libraries	29,388 05		29,388 05
Total forward			$1,939,548 99

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,228,788 37
8i. Recreation			
95. Parks and Gardens	$1,140 20		
96. Playgrounds and Gymnasia.......	188 80		
97. Bathhouses and Beaches..........	1,530 92		
98. Celebrations and Entertainments..			
Total from Recreation............	$2,859 92		2,859 92
8j. Unclassified			
99. Receipts not Recorded under Previous Classifications			
a. Rent of Vacant Land............	$124 98		
b. Decrease Stock Stationary, etc...	183 64		
c. Sale Public Land................		$1,500 00	
Total from Unclassified..........	$308 62	$1,500 00	1,808 62
Total forward			$2,233,456 91

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$1,939,548 99
1i. Recreation			
100. General Administration			
a. Salaries and Wages	$2,910 46		
b. Other Expenses	951 85		
101. Parks and Gardens...............			
a. Salaries and Wages...........	14,727 64		
b. Improvements and Additions..		$22,964 21	
c. Metropolitan Park Maintenance	35,872 66		
d. Other Expenses	7,351 93		
102. Playgrounds and Gymnasia			
a. Salaries and Wages...........	2,732 78		
b. Improvements and Additions..		46,251 91	
c. Other Expenses	577 23		
103. Bathhouses and Beaches			
a. Salaries and Wages	1,043 11		
b. Improvements and Additions..		1,023 28	
c. Other Expenses	656 66		
104. Celebrations and Entertainments			
a. Fourth of July.................	1,198 81		
b. Labor Day	400 00		
c. Band Concerts			
d. All Other	481 35		
Total for Recreation.............	$68,904 48	$70,239 40	139,143 88
1j. Unclassified			
105. Damages to Persons and Personal Property	$2,086 97		
106. Memorial Day	1,200 00		
107. City and Town Clocks	148 55		
108. Searching Parties			
109. Ice for Drinking Fountains......	734 20		
110. Payments not Recorded under Previous Classifications, "Annual"	2,044 16		
Industrial Commission	684 79		
Total for Unclassified	$6,898 67		6,898 6
Total forward			$2,085,591 54

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Offsets to Outlays	Total
Total forward			$2,233,456 91
9. Public Service Enterprises			
100. Electric			
a. Income from Sale of Light and Power			
b. Miscellaneous			
101. Gas			
a. Income from Sale of Gas......			
b. Sale of By-Products (coke, tar, etc.)			
c. Miscellaneous			
102. Water			
a. Income from Sale of Water....	$353,866 39	$15,332 24	
b. Miscellaneous	10,271 02		
103. All Other			
a. Markets			
b. Public Scales	22 29		
c. Docks and Wharves...........			
d. Ferries			
e. Herring and Alewife Fisheries			
f. Miscellaneous			
Total from Public Service Enterprises	$364,159 70	$15,332 24	379,491 94
10. CEMETERIES			
104. Sale of Lots and Graves..........	$11,574 75		
105. Care of Lots and Graves..........	7,700 31		
106. Miscellaneous			
Total from Cemeteries	$19,275 06		19,275 06
11. ADMINISTRATION OF TRUST FUNDS			
107.			
108.			
109			
Total from Administration of Trust Funds			
Total forward			$2,632,223 91

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Total forward			$2,085,591 54
2. PUBLIC SERVICE ENTERPRISES			
111. Electric			
a. Maintenance and Operation			
b. Construction			
112. Gas			
a. Maintenance and Operation			
b. Construction			
113. Water			
a. Maintenance and Operation	$100,443 11		
b. Metropolitan Water Maintenance			
c. Construction		$46,504 66	
114. All Other			
a. Markets			
b. Public Scales	23 80		
c. Docks and Wharves			
d. Ferries			
e. Herring and Alewife Fisheries			
f. Miscellaneous			
Total for Public Service Enterprises	$100,466 91	$46,504 66	146,971 57
3. CEMETERIES			
115. Maintenance	$18,304 21		
116. Improvements and Additions		$4,032 78	
Total for Cemeteries	$18,304 21	$4,032 78	22,336 99
4. ADMINISTRATION OF TRUST FUNDS			
117	$605 00		
118			
119			
Total for Administration of Trust Funds	$605 00		605 00
Total forward			$2,255,505 10

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Indebtedness	Total
Total forward			$2,632,223 91
12. INTEREST			
110. On Deposits	$8,737 56		
111. On Deferred Taxes	8,334 21		
112. On Deferred Special Assessments	95 88		
113. On Sinking Funds	326 00		
114. On Investment Funds			
115. On Public Trust Funds			
a. Charity			
b. School			
c. Library			
d. Cemetery	3,235 32		
e. All Other			
116. Miscellaneous	922 45		
Total from Interest	$21,651 42		21,651 42
13. MUNICIPAL INDEBTEDNESS			
117. Loans in Anticipation of Taxes		$400,000 00	
118. Other Temporary Loans			
119. Loans for General Purposes		365,200 00	
120. Trust Funds Used			
121. Loans for Public Service Enterprises		34,000 00	
122. Loans for Cemeteries		8,000 00	
123. Bonds Refunded, Current Year			
124. Premiums		1,433 17	
125. Unpaid Warrants or Orders of Current Year			
Total from Municipal Indebtedness		$808,633 17	808,633 17
Total forward			$3,462,508 50

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Indebtedness	Total
Total forward			$2,255,505 10
5. INTEREST			
120. On Loans in Anticipation of Taxes	$3,927 62		
121. On Other Temporary Loans			
122. On Loans for General Purposes...	306,214 25		
123. On Trust Funds Used	1,500 00		
124. On Loans for Public Service Enterprises	122,522 75		
125. On Loans for Cemeteries.........	140 00		
126. Metropolitan Interest Requirements			
a. Sewer	47,387 39		
b. Park	83,642 59		
c. Water			
127. State Assessment for Interest on Account of Abolition of Grade Crossings	240 00		
128. All Other			
Total for Interest	$565,574 60		565,574 60
6. MUNICIPAL INDEBTEDNESS			
129. Loans in Anticipation of Taxes..		$400,000 00	
130. Other Temporary Loans..........			
131. Bonds and Notes from Sinking Funds			
a. General		101,000 00	
b. Public Service Enterprises.. ..		185,000 00	
c. Cemeteries			
132. Bonds and Notes from Revenue			
a. General			
b. Public Service Enterprises.....	12,500 00		
c. Cemeteries			
133. Metropolitan Sinking Fund Requirements			
a. Sewer	26,051 83		
b. Park	8,034 79		
c. Water			
d. Charles River Basin Sinking Fund and Serial	19,325 86		
134. State Assessment for Abolition of Grade Crossings Loan Fund.....	2,000 00		
135. Bonds Refunded, Current Year...			
136. Warrants or Orders of Previous Years			
Total for Municipal Indebtedness.....	$67,912 48	$686,000 00	753,912 48
Total forward			$3,574,992 18

Schedule **A-IV**—Continued

RECEIPTS

SOURCES OF RECEIPTS		Non-Revenue	Total
Total forward			$3,462,508 50
14. SINKING FUNDS			
From Commissioners to meet Loans for			
126. General Purposes		$101,000 00	
127. Public Service Enterprise		185,000 00	
128. Cemeteries			
Total from Sinking Funds		$286,000 00	286,000 00
		Temporary Accounts	
15. AGENCY, TRUST, AND INVESTMENT TRANSACTIONS			
Agency:			
129. Taxes			
a. State			
b. Non-resident Bank		$156,860 00	
c. County		4,305 81	
130. Liquor Licenses Collected for the State		100,150 57	
131. Reimbursements for Abolition of Grade Crossings		15 75	
132. All Other			
Trust:			
133. Perpetual Care Funds			
134. Other Permanent Public Trust Funds		7,439 96	
135. Income for Investment		10 00	
136. Private Trust Funds and Accounts			
a. Guarantee Deposits			
b. Protested Taxes and Assessments			
c. Tailings			
d. All Other			
Investment:			
137 Sinking Fund Securities			
138. Investment Fund Securities			
Total from Agency, Trust, and Investment Transactions		$268,782 09	268,782 09
Total forward			$4,017,290 59

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS	From Revenue	From Non-Revenue	Total
Total forward			$3,574,992 18
7. SINKING FUNDS			
To Commissioners for Debt Requirements:			
137. From Taxes, Earnings, etc.	$365,686 63		
138. From Premiums on Bonds		$303 55	
139. From Sale of Real Estate, etc.			
Total for Sinking Funds	$365,686 63	$303 55	365,990 18
8. AGENCY, TRUST, AND INVESTMENT TRANSACTIONS		Temporary Accounts	
Agency:			
140. Taxes			
a State		$156,860 00	
b. Non-resident Bank		4,305 81	
c. County		100,150 57	
141. Liquor Licenses Remitted to the State		15 75	
142. Abolition of Grade Crossings			
143. All Other			
Trust:			
144. Perpetual Care Funds		6,791 46	
145. Other Permanent Public Trust Funds		10 00	
146. Income Invested			
147 Private Trust Funds and Accounts			
a. Return of Guarantee Deposits			
b. Return of Protested Taxes and Assessments			
c. Tailings			
d. All Other			
Investment:			
148. Sinking Fund Securities			
149. Investment Fund Securities			
Total for Agency, Trust, and Investment Transactions		$268,133 59	268,133 59
Total forward			$4,209,115 95

Schedule A-IV—Continued

RECEIPTS

SOURCES OF RECEIPTS		Temporary Accounts	Total
Total forward			$4,017,290 59
16. REFUNDS			
139. Taxes		$32,789 13	
140. Licenses		91 60	
141. Special Assessments		161 83	
142. General Departments		225 60	
143. Public Service Enterprises		2,524 28	
144. Cemeteries			
145. Accrued Interest			
146. All Other		587 28	
Total Refunds		$36,379 72	36,379 72
17. TRANSFERS			
147. Departmental			
a. Treasury from Water		$1,500 00	
b. Law from Water		1,000 00	
c. Water from Sundry Department		251 00	
d. Municipal Building from Sundry Departments		990 00	
e. Moth Extermination from Sundry Departments		34 17	
f. Cemetery from Sundry Departments		178 00	
g. Sealer of Weights and Measures from Sundry Departments		8 80	
h. Sewer from Sundry Departments		38 83	
i. City Home from Sundry Departments		114 99	
j. Streets from Sundry Departments		162 68	
k. Postage and Stationery from Sundry Departments		1,625 50	
l. City Council from Sundry Departments		3 00	
Total Transfers		$5,906 97	5,906 97
Total forward			$4,059,577 28

Schedule A-IV—Continued

PAYMENTS

OBJECTS OF PAYMENTS		Temporary Accounts	Total
Total forward			$4,209,115 95
9. REFUNDS			
150. Taxes		$32,789 13	
151. Licenses		91 60	
152. Special Assessments		161 83	
153. General Departments		225 60	
154. Public Service Enterprises		2,524 28	
155. Cemeteries			
156. Accrued Interest			
157. All Other		587 28	
Total Refunds		$36,379 72	36,379 72
10. TRANSFERS			
158. Departmental			
a. Water to Treasury Department		$1,500 00	
b. Water to Law Department		1,000 00	
c. Sundry Department to Water Department		251 00	
d. Sundry Department to Municipal Building Department		990 00	
e. Sundry Department to Moth Extermination		34 17	
f. Sundry Department to Cemetery Department		178 00	
g. Sundry Department to Sealer of Weights and Measures		8 80	
h. Sundry Department to Sewer Department		38 83	
i. Sundry Department to City Home		114 99	
j. Sundry Department to Street Department		162 68	
k. Sundry Department to Postage and Stationery		1,625 50	
l. Sundry Department to City Council Expenses		3 00	
Total Transfers		$5,906 97	5,906 97
Total forward			$4,251,403 64

Schedule A-IV—Concluded

RECEIPTS

SOURCES OF RECEIPTS		Cash Balances	Total
Total forward			$4,059,577 28
18. BALANCES			
148. General		$344,035 23	
149. Sinking Fund			
150. Investment Fund			
151. Public Trust Fund		461 07	
152. Private Trust Funds and Accounts			
Total Cash on Hand Beginning of Year...		$344,496 30	344,496 30
Grand Total Receipts and Cash on Hand.			$4,404,073 58

Schedule A-IV—Concluded

PAYMENTS

OBJECTS OF PAYMENTS		Cash Balances	Total
Total forward			$4,251,403 64
11. BALANCES			
159. General		$152,208 87	
160. Sinking Fund			
161. Investment Fund			
162. Public Trust Fund...............		461 07	
163. Private Trust Funds and Accounts.			
Total Cash on Hand End of Year........		$152,669 94	152,669 94
Grand Total Payments and Cash on Hand.			$4,404,073 58

SCHEDULE A-V

APPROPRIATIONS, RECEIPTS AND PAYMENTS

Abatements, Taxes.

Licenses.

Departmental:—
- General Government.
- Protection of Life and Property.
- Health and Sanitation.
- Highways and Bridges.
- Charities.
- Soldiers' Benefits.
- Education.
- Libraries.
- Recreation.
- Unclassified.

Public Service Enterprises:
- Water Works.

Cemeteries.

Administration of Invested Funds.

Interest.

Sinking Funds.

ABATEMENTS—TAXES.

EXPENDED

For abatements, as per Assessors' certificates:			
Taxes of 1911:			
Real Estate	$19,265 16		
Personal	11,086 31		
Poll	892 00		
		$31,243 47	
Taxes of 1910:			
Real Estate	$1,111 49		
Personal	285 42		
Poll	16 00		
		1,412 91	
Taxes of 1909:			
Real Estate	$118 70		
Poll	2 00		
		120 70	
Taxes of 1908:			
Personal	$10 05		
Poll	2 00		
		12 05	
Total			$32,789 13

ABATEMENTS, STREET SPRINKLING ASSESSMENTS

EXPENDED

For abatements, as per Assessors' certificates:		
Assessment of 1911	$133 87	
Assessment of 1910	15 17	
Total		$149 04

ABATEMENTS, MOTH ASSESSMENTS

EXPENDED

For abatements, as per Assessors' certificates:		
Assessment of 1911	$12 79	
Total		$12 79

LICENSES AND PERMITS

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For amusement licenses	$160 00
Druggists' liquor licenses	62 00
Milk	102 50
Butterine	5 50
Hawkers' and pedlars'	250 00
Fireworks (Fire Dept.)	8 00
Licenses issued by City Clerk:	
Auctioneers'	42 00
Intelligence offices	56 00
Lord's Day (ice cream, etc.)	288 00
Pawnbrokers and small loans	125 00
Pedlars	174 00
Pool and bowling alleys	112 00
Private detective	20 00
Junk stores and collectors	1,524 00
Wagon, carriage and drivers'	452 00
Gasolene	42 00
Slaughtering	3 00
Merry-go-round	6 00
Marriage	1,315 00
Newspaper licenses:	
Police Dept. (including $115.80 for badges)	184 55
School Dept.	87 00
	$5,018 55

EXPENDED

For payments to State on account of liquor licenses		$15 75	
Refunds on newspaper license badges:			
School Dept. certificates	$54 00		
Police Dept. certificates	37 60		
		91 60	
Total			$107 35

GENERAL GOVERNMENT

CITY COUNCIL EXPENSES

Appropriation			$5,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of:			
Paige's History	$3 00		

EXPENDED

For salaries of:			
Clerk of Council	$500 00		
Pages	100 00		
		$600 00	
Auditing Treasurer's Books, sundry persons		595 00	
Advertising hearings, ordinances, etc.		258 20	
Books, legal documents, etc.		34 22	
Budgets, calendars, financial reports and manuals		586 75	
Car tickets		800 00	
City Documents:			
Advertising	$50 50		
Special printing and binding	1,993 66		
		2,044 16	
Decorating City Hall, Carnival Week.		50 00	
Engraving and mounting gavel		6 00	
Gavels		2 00	
Funeral Expenses:			
Carriage hire		15 00	
Inauguration Day Expenses:			
Carriage hire	$21 00		
Floral decorations	50 00		
Printing	126 29		
Use of chairs	7 82		
		205 11	
Posting and serving notices		89 46	
Posting notices of civil service examinations		51 00	
Printing		275 00	
Printing copies City Charter		75 00	
Recording fees		27 50	
Ringing bells on holidays		66 00	
Services of stenographer at Committee hearings		6 00	
Stationery and record books		128 22	
Expenses of Committee for:			
Carriage and automobile hire	$662 25		
Dinners and refreshments	534 40		
		1,196 65	
Total			7,111 27
Excess of expenditure over appropriation			$2,111 27
Transfers from Reserve Fund			2,111 27

General Government—Continued

CLERK OF COMMITTEES' DEPARTMENT

Appropriation		$4,100 00
EXPENDED		
For salaries of:		
Clerk of Committees	$2,400 00	
Assistant	900 00	
Stenographer	780 00	
Total		4,080 00
Surplus of appropriation		$20 00
Transfer to Reserve Fund		20 00

General Expenses

Appropriation		$300 00
EXPENDED		
For binding	$6 50	
Desk lock repairs	3 00	
Directories	10 00	
New typewriter (one-half)	25 50	
Services of stenographer	8 00	
Stationery, printing and office supplies	187 51	
Telephone service	68 08	
Total		308 59
Excess of expenditure over appropriation		$8 59
Transfer from Reserve Fund		8 59

MAYOR'S DEPARTMENT

Salaries

Appropriation		$5,800 00
EXPENDED		
For salaries of:		
Mayor, J. Edward Barry	$3,500 00	
Clerk	1,500 00	
Stenographer	800 00	
Total		5,800 00

General Government—Continued

MAYOR'S DEPARTMENT—Concluded

General Expenses

Appropriation		$1,000 00
EXPENDED		
For binding	$1 50	
Car tickets	5 00	
Carriage hire, etc.	228 85	
Expressage	15	
Newspapers	9 11	
Stationery, printing and office supplies	197 48	
Telephone service	121 28	
Typewriter supplies and repairs	7 10	
Total		570 47
Surplus of appropriation		$429 53
Transfer to Reserve Fund		429 53

AUDITING DEPARTMENT

Salaries

Appropriation		$3,904 00
EXPENDED		
For salaries of:		
Auditor	$2,500 00	
Clerks	1,404 00	
Temporary clerks	101 00	
Total		4,005 00
Excess of expenditure over appropriation		$101 00
Transfer from Reserve Fund		101 00

General Expenses

Appropriation		$250 00
EXPENDED		
For adding machine and typewriting supplies	$16 50	
Binding	12 50	
Car tickets	5 00	
Expressage	4 10	
Files and filing cases	19 95	
Printing, reports, schedules, wrappers, etc.	171 62	
Amounts carried forward	$229 67	$250 00

General Government—Continued

AUDITING DEPARTMENT, GENERAL EXPENSES—Concluded

Amounts brought forward	$229 67	$250 00
Newspaper subscription	2 50	
Rubber stamps	9 56	
Stationery, ledgers and office supplies	103 36	
Telephone service	55 64	
Total		400 73
Excess of expenditure over appropriation		$150 73
Transfer from Reserve Fund		150 73

TREASURER'S AND COLLECTOR'S DEPARTMENT

Salaries

Appropriation		$11,210 00

EXPENDED

For salaries of:		
Treasurer, William W. Dallinger	$500 00	
Treasurer, Timothy W. Good	2,500 00	
Cashier	1,802 45	
Paymaster and assistants	2,409 00	
Bookkeeper	936 00	
Permanent clerks	2,363 25	
Temporary clerks	982 70	
Total		11,493 40
Excess of expenditure over appropriation		$283 40
Transfer from Reserve Fund		283 40

General Expenses

Appropriation	$7,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

Tax sale:	
Advertising	$191 45
Deeds	224 00
Descriptions	111 30
Posting	102 50
Releases	25 00
Certificates (Chap. 378, Acts of 1907)	176 00
Rebate	6 50
Affidavits	16 80
Taxes—Summonses	1,396 45
Services of department in collection of water rates, etc., Water Dept.	1,500 00
	$3,750 00

General Government—Continued

TREASURER'S AND COLLECTOR'S DEPARTMENT, GENERAL EXPENSES—Concluded

EXPENDED

For advertising tax sale	$214 20	
Carpentry	5 20	
Car tickets	10 00	
Carriage and automobile hire for paymaster	574 00	
Changing combinations, locks, etc.	6 00	
Commission for collecting taxes	1,987 33	
Desk	40 00	
Directories	8 00	
Expressage	4 50	
Lunches for paymaster	13 00	
Premium on official bonds of treasurer and cashier	266 04	
Printing annual report	20 39	
Printing and certifying bonds	225 00	
Recording documents	47 12	
Stationery, printing and office supplies	2,509 49	
Telephone service	118 28	
Typewriter and supplies	60 25	
Total		6,108 80
Surplus of appropriation		$891 20
Transfer to Reserve Fund		891 20

ASSESSORS' DEPARTMENT

Salaries

Appropriation	$12,625 00

EXPENDED

For salaries of:		
Principal Assessors	$6,000 00	
Assistant Assessors	1,925 00	
Permanent clerks	2,388 03	
Temporary clerks	2,199 26	
Total		12,512 29
Surplus of appropriation		$112 71
Transfers to Reserve Fund		112 71

General Expenses

Appropriation	$1,600 00

General Government—Continued

ASSESSORS' DEPARTMENT—Concluded

EXPENDED

For advertising	$37 00	
Automobile lists	10 00	
Car tickets	55 00	
Carriage hire	118 00	
Cash expended for car fares and lunches	3 70	
Directories	14 00	
Expressage	60	
Posting and distributing notices	15 00	
Printing poll tax list	946 00	
Repairing binders	9 00	
Stationery, printing and office supplies	270 26	
Subscriptions	14 00	
Tax books	52 75	
Telephone service	118 30	
Typewriter	49 10	
Total		1,712 71
Excess of expenditure over appropriation		$112 71
Transfers from Reserve Fund		112 71

ASSESSORS' PLANS

Appropriation		$200 00

EXPENDED

For services of engineers and assistants, as per payrolls	$196 76	
Total		196 76
Surplus of appropriation		$3 24
Transfer to Reserve Fund		3 24

CITY CLERK'S DEPARTMENT

Salaries

Apppropriation		$7,207 68

EXPENDED

For salaries of:		
City Clerk	$3,300 00	
Assistant City Clerk, Albert M. Pear	266 66	
Assistant City Clerk, Thomas J. Conrick	1,333 34	
Amounts carried forward	$4,900 00	$7,207 68

General Government—Continued

CITY CLERK'S DEPARTMENT, SALARIES—Concluded

Amounts brought forward	$4,900 00	$7,207 68
Permanent clerks	2,209 97	
Temporary clerks	306 24	
Total		7,416 21
Excess of expenditure over appropriation		$208 53
Transfer from Reserve Fund		250 00
Balance transferred to Reserve Fund		$41 47

General Expenses

Appropriation	$2,267 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For certificates from record	$198 25	
Married women's certificates	9 75	
Recording cemetery deeds	6 50	
Recording dog licenses	340 40	
Recording liquor licenses	58 00	
Assignments, etc.	522 85	
Recording business certificates	20 90	
Witness fees	3 05	
Junk collectors' badges	45 00	
Sale of paper, etc.	9 85	
Refund on bill	9 00	
		$1,223 55

EXPENDED

For binding	$16 00	
Birth returns, sundry physicians	379 75	
Canvassing for births	408 00	
Cleaning books and cases	2 00	
Directories	10 00	
Electrical supplies and repairs	14 55	
Expressage	5 50	
Junk collectors' badges	50 00	
Office furniture	50 10	
Official seals	105 00	
Posting and serving notices	75	
Premium on official bonds	44 40	
Recording documents	5 34	
Special work on mortgages, etc.	25 00	
Stationery, printing and office supplies	693 07	
Telephone service	68 98	
Typewriter, supplies and repairs	203 65	
Verifying and obtaining facts for records	22 91	
Total		2,105 00
Surplus of appropriation		$162 00
Transfer to Reserve Fund		162 00

General Government—Continued

CLASSIFIED INDEX

Appropriation		$500 00
EXPENDED.		
For services of clerks	$349 62	
Total		349 62
Surplus of appropriation, transferred to Reserve Fund		$150 38

CITY MESSENGER'S DEPARTMENT

Salaries

Appropriation		$1,807 00
EXPENDED		
For salaries of:		
City Messenger, Frank T. Evans	$233 33	
City Messenger, A. Frank Montgomery	1,166 67	
Assistants	367 50	
Total		1,767 50
Surplus of appropriation, transferred to Reserve Fund		$39 50

General Expenses

Appropriation		$300 00
EXPENDED		
For binding	$1 50	
Car tickets	25 00	
Cleaning vaults, etc	39 57	
Desk lock repairs	80	
Expressage	45	
Newspapers and periodicals	15 85	
Rent of postoffice box	8 00	
Stationery, printing and office supplies	54 00	
Telephone service	97 38	
Typewriter	58 50	
Total		311 05
Excess of expenditure over appropriation		$11 05
Transfer from Reserve Fund		11 05

General Government—Continued

LAW DEPARTMENT

Salaries

Appropriation		$4,126 00

EXPENDED

For salaries of:		
City Solicitor	$3,500 00	
Stenographer	626 00	
Total		4,126 00

General Expenses

Appropriation		$700 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For legal advice and service of City Solicitor to Water Dept	$1,000 00	

EXPENDED

For automobile hire	$6 00	
Books, legal documents, etc	47 50	
Copies of court orders, briefs, etc.	154 65	
Directories	10 50	
Examination of titles and entry fees	29 45	
Investigation of cases	20 10	
Office furniture	49 00	
Office rent	249 96	
Photographic supplies	9 58	
Services of stenographers	31 10	
Services of witnesses and lunches.	18 00	
Serving notices	8 94	
Subscriptions to periodicals	5 00	
Stationery, printing and office supplies	121 05	
Telephone service	25 00	
Total		785 83
Excess of expenditure over appropriation		$85 83
Transfer from Reserve Fund		85 83

General Government—Continued

ELECTION AND REGISTRATION

Election Expenses (City Clerk)

Appropriation			$10,221 00

EXPENDED

For services of:			
Election officers and deputies	$4,920 25		
Precinct men	350 00		
Primary officers	968 00		
		$6,238 25	
Special clerks, tabulating returns		73 00	
Clerical assistance in office		248 72	
Labor, filing away returns, etc.		316 13	
Advertising		857 14	
Binding		1 75	
Ballots and tally sheets		971 00	
Ballot boxes, repairs		59 59	
Barges, carriage and automobile hire		271 00	
Expressage and teaming		126 50	
Janitor service		28 00	
Lighting		15 54	
Lunches for police and carriage men		73 90	
Mounting lists		24 50	
Posting and distributing notices		67 98	
Preparing check lists and check books		60 00	
Printing		382 80	
Rent of hall for election returns		35 00	
Repairing signs		38 65	
Ringing bells		20 00	
Serving notices, certificates of election, etc.		25 63	
Stationery, stamps and supplies for booths		320 90	
Sundry supplies and repairs		17 82	
Telephone service		80 54	
Total			10,354 34
Excess of expenditure over appropriation			$133 34
Transfer from Reserve Fund			300 00
Balance transferred to Reserve Fund			$166 66

General Government—Continued

ELECTION AND REGISTRATION—Concluded

REGISTRARS OF VOTERS

Appropriation		$4,394 00
EXPENDED		
For salaries of registrars and clerk of board	$2,100 00	
Clerical assistance	962 01	
Assistants at recounts, tellers	25 01	
Advertising	124 25	
Binding and mounting lists	13 00	
Carriage and automobile hire	59 50	
Directory	4 00	
Janitor's service at Cambridge Field Shelter	7 00	
Lighting at Cambridge Field Shelter	3 56	
New list boards	18 24	
Placing and removing list boards	50 97	
Preparing list boards and posting	59 00	
Printing voting lists	1,172 00	
Stationery and office supplies	137 87	
Telephone service	30 80	
Towel supply	5 40	
Total		4,772 61
Excess of expenditure over appropriation		$378 61
Transfer from Reserve Fund		378 61

Polling Places

Appropriation		$2,400 00
EXPENDED		
For janitor service	$524 00	
Fuel, heating apparatus, lighting and lighting apparatus	80 44	
Operating elevator	5 00	
Rent of hall and use of land for booths	748 00	
Setting up and removing booths, etc.	788 25	
Teaming booths and supplies	282 25	
Sundries	3 35	
Total		2,431 29
Excess of expenditure over appropriation		$31 29
Transfer from Reserve Fund		31 29

General Government—Continued

ENGINEERING DEPARTMENT

Appropriation		$9,000 00

EXPENDED

For salaries of:		
City Engineer	$3,000 00	
Assistant engineers, transitmen and rodmen	5,011 47	
Clerk	469 50	
Total		$8,480 97
Balance transferred to Reserve Fund		$519 03

SUMMARY—EXPENDED

For assessors' plans		$197 09	
Bridges		32 40	
Cemetery Dept.		6 00	
Highways		1,270 24	
Law Dept.		79 38	
Parks		403 02	
Sewers		915 81	
Sidewalks		129 65	
Water works		1,042 95	
General Engineering:			
Accounts	$469 50		
General surveys and levels	165 75		
Electric conduits, etc	55 20		
Unclassified	713 98		
City Engineer	3,000 00		
		4,404 43	
Total			$8,480 97

General Expenses

Appropriation		$675 00

EXPENDED

For apparatus, instruments and repairs	$46 92	
Binding	22 75	
Car fares to Stony Brook	4 89	
Car tickets	220 00	
Copy Paige's History	3 00	
Directories	10 00	
Drawing materials, etc.	112 82	
Engineering periodicals	10 00	
Printing annual report	41 62	
Stationery and printing	44 86	
Telephone service	107 68	
Typewriter	89 25	
Total		$713 79
Excess of expenditure over appropriation		$38 79
Transfer from Reserve Fund		38 79

General Government—Continued

SUPERINTENDENT AND INSPECTOR OF BUILDINGS

Salaries

Appropriation		$6,848 00
EXPENDED		
For salaries of:		
Superintendent and Inspector of Buildings	$1,916 67	
Assistant inspectors	2,468 38	
Inspector of Plumbing	1,222 69	
Clerk	1,230 00	
Total		6,837 74
Balance transferred to Reserve Fund		$10 26

General Expenses

Appropriation		$1,175 00
EXPENDED		
For bicycle repairs	$6 50	
Carpenter work	119 42	
Car tickets	175 00	
Carriage and automobile hire	50 00	
Carriage repairs	32 00	
Electrical supplies	4 25	
Expressage	30	
Horse board	287 50	
Horseshoeing	25 75	
Printing annual report	9 54	
Stationery, printing and office supplies	228 32	
Telephone service	87 63	
Tower clocks and repairs	129 50	
Total		1,155 71
Balance transferred to Reserve Fund		$19 29

CIVIL SERVICE REGISTRATION

Appropriation		$350 00
EXPENDED		
For services of clerk	$300 00	
Stationery	28 70	
Total		328 70
Balance transferred to Reserve Fund		$21 30

General Government—Continued

BOARD OF APPEAL

Appropriation		$50 00

EXPENDED

For services of clerk	$15 00	
Automobile hire	6 00	
Total		21 00
Balance transferred to Reserve Fund		$29 00

MUNICIPAL BUILDINGS

Salaries

Appropriation			$12,286 98

EXPENDED

For salaries of employees:			
At City Hall:			
Janitor	$1,219 00		
Assistant janitor	874 50		
Engineer	1,192 32		
Firemen	2,172 80		
Elevator man	820 75		
Cleaners	1,326 30		
Watchmen	37 50		
		$7,643 17	
At Brattle Square Building:			
Janitor	$914 00		
Fireman	270 86		
Cleaner	379 00		
Cleaning cells	80 00		
		1,643 86	
At Central Square Building:			
Janitor	$738 00		
Fireman	323 14		
Cleaner	381 00		
Cleaning cells	110 00		
		1,552 14	
At Station No. 3 Building:			
Janitor	$750 00		
Cleaning cells	80 00		
		830 00	
At Station No. 4 Building:			
Janitor		742 00	
Total			12,411 17
Excess of expenditure over appropriation			$124 19
Transfer from Reserve Fund			312 50
Balance transfered to Reserve Fund			$188 31

General Government—Continued

MUNICIPAL BUILDINGS—Continued

General Expenses and Repairs

Appropriation	$9,150 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For heating buildings for:		
Electrical Dept.	$100 00	
Police Dept.	890 00	
		$990 00
Rent of Third District Court		2,000 00
Rent of land, Portland street		124 98
Sale of old materials		11 50
		$3,126 48

EXPENDED

For boiler insurance		$40 00	
Dues, Gas Consumers' Association		24 00	
Fuel		4,719 51	
Lighting		1,726 84	
Laundering towels		156 96	
Repairs and alterations:			
City Hall	$520 07		
Tower clock, City Hall	19 05		
Brattle Square Building	644 47		
Central Square Building	165 57		
Station 3	134 93		
Station 4	22 90		
		1,506 99	
Furniture and janitors' supplies:			
Ash cans	$15 00		
Brooms, brushes, dusters, mops, etc.	354 97		
Chairs, shades, awnings, etc.	210 38		
Expressage	4 77		
Ice	110 20		
Oil, waste and boiler supplies	37 90		
Spring water	12 50		
Vacuum cleaner	130 00		
		875 72	
Total			9,050 02
Balance transferred to Reserve Fund			$99 98

General Government—Concluded

MUNICIPAL BUILDINGS, GENERAL EXPENSES AND REPAIRS—Concluded

FIREPROOF VAULTS, CITY HALL

Appropriation, brought forward from 1911		$3,236 10

EXPENDED

For balance of contract	$2,171 13	
All-steel lockers	27 75	
Vault doors	99 75	
Folders	37 90	
Expressage	1 05	
Total		2,337 58
Balance unexpended		$898 52

PROTECTION OF LIFE AND PROPERTY

POLICE DEPARTMENT

Salaries

Appropriation			$174,500 00

EXPENDED

For salaries of:			
Chief of Police	$2,500 00		
Chief Inspector	1,400 00		
Captains	5,601 37		
Lieutenants	10,400 00		
Inspectors	3,900 00		
Sergeants	14,072 25		
Patrolmen	107,496 75		
Reserve officers	10,948 37		
Drivers	6,175 00		
Matrons	936 00		
		$163,429 74	
Pensions		6,894 66	
Sick leave		1,761 81	
Allowance by Board of Aldermen for injuries		213 00	
Total			172,299 21
Balance transferred to Reserve Fund			$2,200 79

Protection of Life and Property—Continued

POLICE DEPARTMENT—Continued

General Expenses

Appropriation $6,910 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For fines:		
Third District Court.............	$2,987 12	
House of Correction.............	405 00	
		$3,392 12
Cloth for uniforms...............		1,165 55
Collars		19 12
Sale of junk.....................		6 35
		$4,583 14

EXPENDED

For general administration:			
Automobile hire	$16 00		
Binding	27 35		
Car tickets	200 00		
List of automobile owners........	10 00		
Photographs and photographic supplies	57 21		
Stationery, printing and office supplies	686 45		
Subscriptions to periodicals.......	8 00		
Telegrams	3 78		
Telephone service................	386 20		
Traveling expenses of officers....	25 27		
Traveling expenses to convention.	46 76		
		$1,467 02	
Expenses of station houses:			
Cleaning stations (one month)...	$26 00		
Disinfectant and insecticide.......	19 90		
Expressage	7 76		
Food for prisoners...............	67 23		
Furniture and furnishings........	214 22		
Heating buildings, Municipal Building account	890 00		
Ice	51 59		
Janitors' supplies and sundries...	70 61		
Laundry work and towel supply..	75 37		
Medicines, bandages, etc.........	19 17		
Lighting	955 85		
Oil, matches and gasoline........	14 05		
Water coolers	24 15		
		2,435 90	
For equipment and repairs:			
Bicycle repairs	$20 80		
Harness and repairs and horse clothing	137 20		
Wagon and ambulance repairs....	326 67		
Amounts carried forward.............	$484 67	$3,902 92	$6,910 00

Protection of Life and Property—Continued

POLICE DEPARTMENT, GENERAL EXPENSES—Concluded

Amounts brought forward	$484 67	$3,902 92	$6,910 00
Officers' equipment:			
Badges	5 10		
Belts	34 10		
Cloth and cutting	893 57		
Collars	15 60		
Clubs	29 50		
Firearms	133 73		
Numbers, buttons and trimmings	251 20		
Stop watches	11 50		
		1,858 97	
Horses and care of same:			
Hay, grain and straw	$744 95		
Shoeing and clipping	194 30		
		939 25	
Repairs on buildings:			
Carpentry	$71 69		
Electrical work and supplies	9 80		
		81 49	
Miscellaneous expenses:			
Newspaper license badges	$31 25		
Reimbursement for injuries	29 00		
Services of physician	2 00		
Services rendered at Relief Hospital	8 29		
Services of drill master	50 00		
		120 54	
Total			$6,903 17
Balance transferred to Reserve Fund			$6 83

NIGHT WATCHMAN AT HIGH SCHOOLS

Appropriation		$542 50

EXPENDED

For services of watchman	$230 00	
Total		230 00
Balance transferred to Reserve Fund		$312 50

Protection of Life and Property—Continued

FIRE DEPARTMENT

Salaries

Appropriation			$117,962 17

EXPENDED

For salaries of:			
Chief Engineer	$2,000 00		
Assistant chief engineer	1,500 00		
Permanent men	99,382 03		
Call men	8,271 94		
		$111,153 97	
Pensions		7,283 08	
Total			118,437 05
Excess of expenditure over appropriation			$474 88
Transfer from Reserve Fund			474 88

General Expenses

Appropriation			$18,800 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For pumping water from excavation on Albany street	$120 00	
Total		$120 00

EXPENDED

For general administration:			
Printing annual report	$26 64		
Magazines	7 50		
Services of stenographer	10 00		
Stationery, printing and office supplies	145 84		
Telephone service	59 04		
Traveling expenses to convention	67 78		
		$316 80	
Expenses of fire houses:			
Brooms, brushes, dusters, etc	$223 81		
Cleaning trees in yard	1 75		
Dues, Gas Consumers' Association	9 00		
Expressage	50		
Furniture, furnishings and bedding	576 03		
Galvanized barrels	24 00		
Ice	74 64		
Amounts carried forward	$909 73	$316 80	$18,800 00

Protection of Life and Property—Continued

FIRE DEPARTMENT, GENERAL EXPENSES—Concluded

Amounts brought forward	$909 73	$316 80	$18,800 00
Laundry work	299 51		
Polish	91 80		
Salt	4 25		
Soap and powder	31 00		
		1,336 29	
For fuel and light:			
Coal and wood	$2,892 59		
Heating buildings, Municipal Building account	375 00		
Electric lighting	391 43		
Gas lighting	533 04		
Oil	50 10		
Shavings	131 00		
		4,373 16	
Equipment and repairs:			
Buggy repairs	$20 94		
Chemical supplies	255 81		
Deluge set	200 00		
Engines, wagons and trucks	2,354 86		
Extinguishers	50 00		
Harness and horse clothing	201 74		
Hose and fittings	1,900 02		
Insignia	117 76		
Ladders	22 50		
Tools and miscellaneous supplies	125 51		
		5,249 14	
Horses and care of same:			
Hay, grain and straw	$7,126 24		
Horses	2,399 24		
Shoeing and clipping	1,497 75		
		11,023 23	
Repairs to buildings:			
Carpentry	$216 50		
Electrical	17 96		
Heating apparatus repairs	288 49		
Lumber	189 28		
Masonry	32 00		
Plumbing	49 70		
Roof repairs	59 68		
Supplies for repairs	83 72		
		937 33	
Miscellaneous expenses:			
Decoration of building, Carnival Week		15 00	
Total			23,250 95
Excess of expenditure over appropriation			$4,450 95
Transfers from the Reserve Fund			4,450 95

Protection of Life and Property—Continued

FIRE ALARM AND POLICE TELEGRAPH AND INSPECTION OF WIRES

Salaries

Appropriation		$10,666 50
EXPENDED		
For salaries of:		
Inspector of Wires	$1,000 00	
Assistant inspector	1,103 00	
Foreman of repair gang	1,113 00	
Instrument man	1,219 00	
Lineman	954 00	
Trouble-men	1,908 00	
Groundman	848 00	
Battery-man	795 00	
Operators	1,712 50	
Clerk (seven weeks)	42 00	
Total		10,694 50
Excess of expenditure over appropriation		$28 00
Transfer from Reserve Fund		28 00

General Expenses

Appropriation			$3,506 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of:	
Second-hand Holtzer-Cabot	$25 00

EXPENDED

For batteries and battery supplies		$469 25	
Car tickets		175 00	
Central Station expenses:			
Cleaning waste	$3 58		
Disinfectant	7 00		
Ice	5 43		
Lighting	38 74		
Laundry	8 19		
Soap, matches, etc.	12 25		
Towels	3 24		
		78 43	
Cable boxes		33 12	
Electrical supplies		330 84	
Expenses to convention		62 00	
Expressage and freight		20 40	
Amounts carried forward		$1,169 04	$3,506 00

Protection of Life and Property—Continued

FIRE ALARM AND POLICE TELEGRAPH AND INSPECTION OF WIRES, GENERAL EXPENSES—Concluded.

Amounts brought forward	$1,169 04	$3,506 00
Fire alarm boxes and repairs to apparatus	247 43	
Hardware and tools	121 39	
Harness repairs and horse clothing	30 20	
Horse board	672 00	
Horseshoeing	57 00	
Use of horse	3 00	
Lumber	41 86	
Refreshments	2 20	
Register ribbon, paper and rolls	87 05	
Stationery, printing and office supplies	162 71	
Steam for whistle	50 00	
Telephone service	157 19	
Vitriol	31 20	
Wagon repairs	276 28	
Whistle, striker and motor repairs	25 37	
Wire and line materials	443 09	
Total		3,577 01
Excess of expenditure over appropriation		$71 01
Transfer from Reserve Fund		71 01

FIRE ALARM SIGNAL BOXES

Appropriation transferred from Reserve Fund		$900 00
EXPENDED		
For boxes and fittings	$900 00	
Total		900 00

POLICE SIGNAL SYSTEM AT STATION 4

Appropriation transferred from Reserve Fund		$2,650 00
EXPENDED		
For equipment	$2,629 19	
Total		2,629 19
Balance transferred to Reserve Fund		$20 81

Protection of Life and Property—Continued

MILITIA—USE OF RIFLE RANGE AND TRANSPORTATION

Appropriation			$1,175 00
EXPENDED			
By Headquarters, Eighth Regiment:			
For use of rifle range		$50 00	
By Company A, Eighth Regiment:			
For use of rifle range	$84 01		
Transportation	140 99		
		225 00	
By Company C, Eighth Regiment:			
For use of rifle range		98 30	
By Company E, Eighth Regiment:			
For use of rifle range	$108 84		
Transportation	100 00		
		208 84	
By Company 6, Corps Coast Artillery:			
For use of rifle range	$245 28		
Transportation	100 00		
		345 28	
By Troop C, M. V. M.:			
For use of rifle range	$200 53		
Transportation	24 47		
		225 00	
Total			1,152 42
Balance of appropriation transferred to Reserve Fund			$22 58

ARMORY TROOP C

Appropriation		$711 00
EXPENDED		
For cleaning	$22 17	
Furniture	28 50	
Lighting	24 48	
Off and on	3 00	
Rent	636 00	
Repairs to fixtures	6 08	
Rifle holders	5 50	
Telephone service	34 77	
Total		760 50
Excess of expenditure over appropriation		$49 50
Transfer from the Reserve Fund		49 50

Protection of Life and Property—Continued

SEALER OF WEIGHTS AND MEASURES

Salaries

Appropriation	$3,200 00

EXPENDED

For salaries of:		
Sealer of Weights and Measures	$1,200 00	
Deputies	1,800 00	
Assistants	200 00	
Total		3,200 00

General Expenses

Appropriation	$481 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For fees for sealing	$786 97
Weighing fees at public scales	22 29
	$809 26

EXPENDED

For advertising		$10 00	
Car tickets		50 00	
Equipment		44 83	
Harness repairs		4 75	
Horseshoeing and clipping		24 19	
Traveling expenses to convention		31 50	
Office expenses:			
Stationery and printing	$44 55		
Typewriting	5 00		
Telephone service	25 15		
		74 70	
Repairs on city scales		23 80	
Total			263 77
Balance of appropriation transferred to Reserve Fund			$217 23

Protection of Life and Property—Continued

MOTH AND BEETLE EXTERMINATION

Appropriation			$7,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For cleaning and spraying trees, etc.	
Sundry departments	$34 17
Sundry persons	81 75
	$115 92

EXPENDED

For labor, as per payroll	$5,734 64	
Clerical services	126 00	
Arsenate of lead	528 00	
Creosote	18 17	
Harness repairs	1 85	
Horse board	76 00	
Horseshoeing	11 25	
Ladder repairs	43 30	
Oil	15 00	
Postage, stationery and office supplies	75 75	
Sprayer repairs and supplies	108 13	
Teaming, as per payroll	229 50	
Tools and miscellaneous supplies	16 49	
Wagon repairs	15 45	
Total		6,999 53
Balance transferred to Reserve Fund		$ 47

SHADE TREES

Appropriation		$5,440 00

EXPENDED

For labor, as per payrolls	$3,820 63	
Loam	160 72	
Old hose	8 40	
Bicycle repairs	6 00	
Poles	245 00	
Rope	63 34	
Stationery, printing and supplies	26 00	
Teaming, as per payrolls	260 25	
Tools and miscellaneous supplies	97 76	
Trees	390 00	
Wire netting	337 50	
Use of steam roller	24 00	
Total		5,439 60
Balance transferred to Reserve Fund		$ 40

Protection of Life and Property—Concluded

REMOVAL OF DEAD TREES AND CARE OF DYING

Appropriation		$5,000 00

EXPENDED

For labor, as per payroll	$2,226 32	
Advertising	13 37	
Contract for removing trees	2,437 00	
Lumber	5 20	
Tools and miscellaneous supplies	16 30	
Teaming, sundry persons, as per payroll	301 50	
Total		4,999 69
Balance transferred to Reserve Fund		$ 31

HEALTH AND SANITATION

BOARD OF HEALTH EXPENSES

Salaries

Appropriation		$11,500 00

EXPENDED

For salaries of:		
Medical inspector	$1,750 00	
Bacteriologist	1,080 00	
Sanitary inspectors	3,000 00	
Inspector of provisions	1,500 00	
Driver	965 12	
Social worker	782 50	
School nurse	900 00	
Assistant school nurse	659 11	
School inspectors	2,000 00	
Clerk, James B. Soper	854 30	
Clerk, John D. Crowley	153 00	
Secretary	939 00	
Temporary clerk	150 00	
Total		14,733 03
Excess of expenditure over appropriation		$3,233 03
Transfer from Reserve Fund		3,700 00
Balance transferred to Reserve Fund		$466 97

Health and Sanitation—Continued

General Expenses and Hospitals

Appropriation		$39,125 68

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For board at tuberculosis camp:		
Sundry persons	$839 95	
Other cities and towns	1,796 50	
Commonwealth of Massachusetts	1,838 09	
		$4,474 54
Board at other tuberculosis hospitals:		
Other cities and towns		166 10
Board at Diphtheria Hospital:		
Sundry persons	$118 17	
Other cities and towns	387 85	
Commonwealth of Massachusetts	654 27	
		1,160 29
Board at other institutions:		
Sundry persons	$173 86	
Other cities and towns	357 64	
Commonwealth of Massachusetts	920 73	
		1,452 23
		$7,253 16

EXPENDED

For general expenses:			
Advertising		$7 50	
Ambulance and wagon repairs		120 35	
Burials (Diphtheria)		15 00	
Burning dead animals		90 02	
Car tickets		600 00	
Care of tuberculosis patients:			
By other cities and towns	$74 29		
By Commonwealth	791 50		
At private institutions	81 43		
		947 22	
Care of other contagious diseases:			
By other cities and towns	$377 70		
At private institutions	6,354 27		
		6,731 97	
Carriage and automobile hire		125 00	
Cash expended, investigating cases		2 01	
Certification of Justice of Peace		7 00	
Cleaning trees		4 29	
Collection of cultures		130 05	
Directories		10 00	
Amounts carried forward		$8,790 41	$39,125 68

Health and Sanitation—Continued

BOARD OF HEALTH EXPENSES, GENERAL AND HOSPITALS—Continued

Amounts brought forward		$8,790 41		$39,125 68
Disinfecting apparatus and supplies		387 73		
Expressage		1 75		
Filing cases		8 95		
Harness repairs and horse clothing		15 00		
Horse board and storage of ambulance		360 00		
Horseshoeing		54 50		
Ice		26 85		
Laboratory supplies		149 38		
Lanterns		6 70		
Printing annual report		54 67		
Repairs to office chairs		1 50		
Repairs to public sanitaries		15 55		
Services in committing insane person		3 00		
Serving notices		9 45		
Stationery, printing and office supplies		565 80		
Substitute during vacation of Inspector of Animals		30 00		
Telephone service		120 01		
Total for general expenses			$10,601 25	
Diphtheria Hospital.				
Salaries of:				
Physician, Geo. E. Norton	$1,000 00			
Physician, Pat'k J. Fleming	50 00			
Acting Physician, Bradf'd H. Pierce	150 00			
Matron	720 00			
Nurses	1,569 14			
House-man	768 00			
Cooks	343 00			
House-servant	260 00			
Laundresses	377 14			
		5,237 28		
Clothing		42 63		
Expressage		3 91		
Fuel and light		231 55		
Furniture and furnishings, including crockery and utensils		427 46		
Ice		51 21		
Lawnmower		7 50		
Manure		12 50		
Medical and surgical apparatus		442 61		
Repairs to buildings, etc.		99 56		
Seeds		1 90		
Sewing machine		38 00		
Amounts carried forward		$6,596 11	$10,601 25	$39,125 68

Health and Sanitation—Continued

BOARD OF HEALTH EXPENSES, GENERAL AND HOSPITALS—Concluded

Amounts brought forward		$6,596 11	$10,601 25	$39,125 68
Stationery and printing		14 66		
Subsistence supplies		2,021 61		
Telephone service		71 05		
Total for Diphtheria Hospital			8,703 43	
Tuberculosis Camp.				
Salaries of:				
Physician	$1,099 98			
Matrons	706 03			
Nurses	2,421 29			
Night attendants	636 00			
Caretaker	636 00			
Cooks	788 00			
House-servants	318 00			
Cleaners	402 50			
Laundresses	412 50			
		7,420 30		
Farm labor		9 00		
Ash barrels		8 00		
Clothing and dry goods		27 37		
Crockery and cooking utensils		81 22		
Disinfectant		16 25		
Employment agency fee		6 20		
Expressage		8 36		
Fire extinguishers		35 00		
Fuel		838 39		
Furniture and repairs		1,265 41		
Hens, care of same:				
Feed	$30 70			
Incubator	15 00			
Powder	2 00			
		47 70		
Ice		141 95		
Lighting		286 96		
Medical and surgical supplies		544 86		
Oil		56 20		
Paper napkins, bags, etc.		140 07		
Plants, seeds and fertilizer		3 88		
Repairs, miscellaneous		661 27		
Soap		20 00		
Stationery and office supplies		26 59		
Subsistence supplies		7,395 51		
Telephone service		87 17		
Toilet paper		32 94		
Water, Town of Belmont		335 00		
Total for Tuberculosis Camp			19,495 60	
Total for general expense and hospitals				38,800 28
Balance transferred to Reserve Fund				$325 40

Health and Sanitation—Continued

ADDITION TO TUBERCULOSIS CAMP

Appropriation brought from 1911		$4,000 00
Additional appropriation		4,000 00
		$8,000 00
EXPENDED		
For advertising	$41 00	
Blueprints	88	
Contracts for:		
Construction	3,689 25	
Heating	705 00	
Plumbing	373 80	
Plumbing	9 45	
Hardware, etc.	72 00	
Total		4,891 38
Balance of appropriation		$3,108 62

HOSPITAL FOR CONTAGIOUS DISEASES

Appropriation brought from 1911	$95,098 45
EXPENDED	
For services of architect	2,584 42
Balance of appropriation	$92,514 03

INSPECTION OF MILK AND VINEGAR

Appropriation		$2,250 00
EXPENDED		
For salaries of:		
Inspector of milk and vinegar, Ernest H. Sparrow	$1,150 00	
Inspector of milk and vinegar, William A. Noonan	50 00	
Collector of samples	782 50	
Substitute	30 00	
Services issuing milk licenses	5 60	
Apparatus and laboratory supplies	112 37	
Car tickets	65 00	
Expressage	1 40	
Stationery and printing	65 70	
Total		2,262 57
Excess of expenditure over appropriation		$12 57
Transferred from Reserve Fund		12 57

Health and Sanitation—Continued

INSPECTION OF ANIMALS

Appropriation		$825 00

EXPENDED

For salary of inspector of animals	$700 00	
Medicines and drugs	143 14	
Total		843 14
Excess of expenditure over appropriation		$18 14
Transferred from Reserve Fund		18 14

MODIFIED MILK

Appropriation		$1,200 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of modified milk	$483 95
Rebate on overcharge	32 60
	$516 55

EXPENDED

For services modifying milk	$182 00	
Services of nurses at distributing stations	202 20	
Services, washing and filling bottles	81 50	
Apparatus, repairs and supplies	50 74	
Cash expended for car fares	2 30	
Delivering milk	130 00	
Expressage	65	
Milk, cream, sugar of milk and distilled water	533 95	
Printing and stationery	27 56	
Sign	1 50	
Total		1,212 40
Excess of expenditure over appropriation		$12 40
Transfer from Reserve Fund		12 40

Health and Sanitation—Continued

SEWER DEPARTMENT

Construction General

Appropriation brought from 1911	$9,043 88
Additional appropriation	10,000 00
	$19,043 88

EXPENDED

For labor, as per payroll	$8,801 09	
Engineering, as per payroll	252 00	
Advertising	9 17	
Blacksmithing	63 09	
Boiler repairs	57 86	
Bricks	458 52	
Catch-basin traps	142 50	
Cement	438 40	
Frames, grates, covers, etc	450 50	
Gravel, sand and filling	791 20	
Lighting	10 03	
Lumber and millwork	656 29	
Pipe and fittings	808 46	
Pump	141 00	
Right of easement	75 00	
Rubber boots	20 08	
Steel rods, etc	5 49	
Teaming	117 75	
Tools and repairs, and miscellaneous supplies	112 20	
Water supplies, Water Dept	7 62	
Total		13,418 25
Balance of appropriation		$5,625 63

SUMMARY—EXPENDED

For new catch-basins:		
Labor	$911 63	
Supplies	1,211 18	
		$2,122 81
Alberta Terrace Sewer:		
Labor	$422 50	
Supplies	124 20	
		546 70
Columbia Street Sewer:		
Labor	$59 75	
Teaming	3 00	
Supplies	38 24	
		100 99
Erie Street Sewer:		
Supplies		23 61
Amount carried forward		$2,794 11

Health and Sanitation—Continued

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Continued

Amount brought forward		$2,794 11
Franklin Street Sewer:		
Labor	$822 77	
Supplies	252 15	
		1,074 92
Fresh Pond Lane Sewer:		
Labor	$349 31	
Teaming	6 00	
Supplies	83 57	
		438 88
Garden Street Sewer:		
Supplies		12 95
Granville Road Sewer:		
Labor	$582 71	
Supplies	144 43	
		727 14
Henry Street Sewer:		
Labor	$203 98	
Teaming	3 75	
Supplies	86 35	
		294 08
Hollis Park Sewer:		
Labor	$166 89	
Supplies	27 94	
		194 83
Kirkland Street Sewer:		
Labor	$311 54	
Teaming	6 00	
Supplies	66 16	
		383 70
Landsdowne Street Sewer:		
Labor	$2,880 95	
Supplies	1,276 26	
		4,157 21
Larch Road Sewer:		
Labor	$870 76	
Teaming	9 00	
Supplies	241 58	
		1,121 34
Lopez Street Sewer:		
Labor		158 81
Sherman Street Sewer:		
Supplies		12 95
Thorndike Street Sewer:		
Labor	$358 84	
Teaming	57 97	
		416 81
Walden Street Sewer:		
Supplies		12 95
Amount carried forward		$11,800 68

Health and Sanitation—Continued

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Concluded

Amount brought forward		$11,800 68
Wyeth Terrace Sewer:		
Labor	$952 65	
Teaming	30 00	
Supplies	337 91	
		1,320 56
Vassar Street Sewer:		
Supplies		12 95
General Expenses:		
Supplies		284 06
Total		$13,418 25

Separate System of Drainage

Appropriation brought from 1911	$742 24
Additional appropriations	25,000 00
	$25,742 24

EXPENDED

For labor, as per payroll	$16,077 21	
Engineering, as per payroll	360 00	
Blacksmithing and iron work	82 69	
Boiler repairs	21 03	
Bricks	227 81	
Cement	429 57	
Fuel	4 15	
Gravel, crushed stone, clay and sand	617 87	
Lumber and mill-work	1,284 45	
Oil and lanterns	28 07	
Pipe and fittings	1,128 48	
Rubber boots	20 08	
Steel rods	46 66	
Teaming	505 00	
Tools, repairs and miscellaneous supplies	201 56	
Use of pile driver and engine	108 40	
Water used from residence while working on Broadway	45	
Water supplies, Water Dept.	5 31	
Total		21,148 79
Balance of appropriation		$4,593 45

Health and Sanitation—Continued

SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE—Continued

SUMMARY—EXPENDED

For Broadway District:		
Labor	$2,589 09	
Teaming	134 25	
Supplies	366 95	
		$3,090 29
Columbia Street District:		
Labor	$234 74	
Supplies	16 80	
		251 54
Erie Street District:		
Labor	$5,767 52	
Teaming	6 00	
Supplies	1,475 24	
		7,248 76
Erie and Hamilton Street District:		
Supplies		133 40
Donnell Street and Garden Street District:		
Labor		81 91
Garden Street District:		
Labor	$1,506 96	
Teaming	90 75	
Supplies	245 48	
		1,843 19
Henry Street District:		
Supplies		12 95
Hollis Street District:		
Supplies		27 94
Kirkland Street District:		
Supplies		12 95
Sherman Street District:		
Labor	$2,656 87	
Teaming	87 00	
Supplies	450 30	
		3,194 17
Vassar Street District:		
Labor	$2,166 16	
Teaming	47 25	
Supplies	1,339 56	
		3,552 97
Walden Street District:		
Labor	$1,262 89	
Teaming	61 50	
Supplies	126 78	
		1,451 17
Amount carried forward		$20,901 24

Health and Sanitation—Continued

SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE—Concluded

Amount brought forward		$20,901 24
Winslow Street District:		
Labor	$171 07	
Teaming	6 00	
Supplies	34 54	
		211 61
General Expenses:		
Supplies		35 94
Total		$21,148 79

Sewer Maintenance

Appropriation	$18,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For boots	$10 50
Cleaning sewers	1 45
Fertilizer	5 00
Bricks, cement, pipe, etc.	14 44
Old iron, rubber, etc.	65 41
Labor, connecting sewer of Baptist Church with main	48 00
Labor and materials, Cambridge Gas Light Co.	73 94
Labor and materials, John Byrne	6 86
	$225 60

EXPENDED

For salaries of:			
Superintendents of Sewers	$2,000 00		
Clerk	469 50		
		$2,469 50	
Labor, as per payroll		11,427 90	
Engineering, as per payroll		93 00	
Advertising		13 68	
Blacksmithing		116 16	
Bricks		92 92	
Canvass		14 00	
Carriage and cart repairs		111 83	
Car tickets		90 00	
Cement		354 24	
Cleaning catch-basins		3,721 00	
Driving piles		220 80	
Frames, grates, covers, etc.		66 00	
Fuel		28 75	
Gravel, stone, clay, etc.		371 76	
Harness and repairs		35 65	
Amounts carried forward		$19,227 19	$18,000 00

Health and Sanitation—Continued

SEWER DEPARTMENT, SEWER MAINTENANCE—Continued

Amounts brought forward	$19,227 19	$18,000 00
Hay, grain and straw	609 14	
Horseshoeing and clipping	210 27	
Hose and repairs	8 91	
Lighting, electric	11 24	
Lighting, oil, etc.	11 85	
Lumber	1,406 71	
Pipe and fittings	172 52	
Plumbing, at house	3 20	
Rain gauge repairs	65	
Repairs to stove at stable	2 05	
Rubber boots	20 08	
Stationery, printing and office supplies	33 40	
Steel rods	80 02	
Teaming	88 50	
Telephone service	35 44	
Tools and miscellaneous supplies.	77 63	
Total		21,998 80
Excess of expenditure over appropriation		$3,998 80
Transfer from Reserve Funds'		4,000 00
Balance transferred to Reserve Fund		$1 20

SUMMARY—EXPENDED

For repairing catch-basins:		
Labor	$1,012 68	
Supplies	375 14	
		$1,387 82
Cleaning catch-basins:		
Labor	$2,594 15	
Supplies	3,750 04	
		6,344 19
Cleaning and repairing gates:		
Labor	$928 68	
Supplies	2 50	
		931 18
Cleaning sumps:		
Labor		201 33
Cleaning and flushing sewers:		
Labor	$1,148 33	
Supplies	12 54	
		1,160 87
Manhole repairs:		
Labor	$145 96	
Supplies	170 13	
		316 09
Amount carried forward		$10,341 48

Health and Sanitation—Continued

SEWER DEPARTMENT, SEWER MAINTENANCE—Concluded

Amount brought forward		$10,341 48
Office expenses:		
Salary of clerk	$469 50	
Supplies	29 15	
		498 65
Sewer repairs:		
Labor	$3,322 83	
Teaming	51 00	
Supplies	2,388 22	
		5,762 05
Stable account:		
Labor	$1,314 33	
Supplies	931 05	
		2,245 38
General Expenses:		
Salary of superintendent	$2,000 00	
Labor	852 61	
Supplies	298 63	
		3,151 24
Total		$21,998 80

COLLECTION OF ASHES

Appropriation		$50,000 00

EXPENDED

For salary of foreman	$1,200 00	
Labor, as per payroll	43,371 83	
Bicycle repairs	1 00	
Cart covers	122 25	
Harness and repairs	426 33	
Hardware, tools and miscellaneous supplies	195 23	
Hay, grain and straw	6,453 27	
Horseshoeing and stock and clipping	297 93	
Lumber for paper fender at dump	25 64	
New equipment, buggy	88 50	
Painter's supplies	22 20	
Printing	63 00	
Teaming, as per payroll	363 00	
Wagon repairs	369 46	
Total		52,999 64
Excess of expenditure over appropriation		$2,999 64
Transfer from Reserve Fund		3,000 00
Balance transferred to Reserve Fund		$0 36

Health and Sanitation—Continued

HOUSE OFFAL

Labor

Appropriation	$29,740 00

EXPENDED

For labor, as per payroll	32,253 48
Excess of expenditure over appropriation	$2,513 48
Transfers from Reserve Fund	2,513 48

General Expenses

Appropriation	$9,430 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of offal	$15,809 48

EXPENDED

For cement		$1 80	
Crushed stone		88 50	
Fuel		36 30	
Harness and repairs and horse clothing		569 15	
Hay, grain and straw		5,573 95	
Horses		300 00	
Horseshoeing		752 72	
Lighting stable		27 10	
Painter's supplies		151 40	
Printing		6 00	
Signs		3 75	
Stable supplies		140 51	
Stable and shed repairs:			
Carpentry	$68 00		
Electrical work	13 22		
Lumber	445 30		
Mason work	334 88		
Roofing	48 00		
Supplies for repairs	33 69		
		943 09	
Wagon repairs		835 73	
Total			9,430 00

Health and Sanitation—Continued

INCINERATOR—MAINTENANCE

Appropriation		$4,400 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of junk and bottles	$15 49	

EXPENDED

For labor, as per payroll	$3,930 86	
Additions and repairs	287 25	
Furnace, engine and boiler supplies	46 62	
Ice	13 90	
Inspection of boilers	5 00	
Tools and miscellaneous supplies	36 36	
Total		4,319 99
Balance of appropriation transferred to Reserve Fund		$80 01

STREET CLEANING (INCLUDING SNOW REMOVAL)

Appropriation			$45,500 00

EXPENDED

For street cleaning:			
Labor:			
Section men	$17,836 45		
General cleaning	15,101 93		
		$32,938 38	
Harness repairs		64 52	
Hay, grain and straw		1,734 37	
Horseshoeing		50	
Machine-sweeper repairs		17 06	
New equipment:			
Push brooms	$3 75		
Waste barrels	72 00		
		75 75	
Refilling machine-sweeper brooms		156 00	
Teaming, as per payroll		6,817 50	
Tools and miscellaneous supplies		619 34	
Amounts carried forward		$42,423 42	$45,500 00

Health and Sanitation—Concluded

STREET CLEANING, INCLUDING SNOW REMOVAL—Concluded

Amounts brought forward		$42,423 42	$45,500 00
For snow removal:			
Labor:			
Section men	$2,903 01		
Shoveling walks around schools	454 59		
General	2,746 08		
		6,103 68	
Gravel		28 51	
Salt		14 25	
Hay, grain and straw		248 87	
Road machine (new equipment)		190 00	
Teaming, as per payroll		21 00	
Tools and miscellaneous supplies		82 90	
Total			49,112 63
Excess of expenditure over appropriation			$3,612 63
Transfers from Reserve Fund			3,612 63

HIGHWAYS AND BRIDGES

SALARIES OF SUPERINTENDENT OF STREETS AND CLERKS

Appropriation	$7,332 00

EXPENDED

For salaries of:		
Superintendent of Streets	$2,500 00	
Office clerks	2,989 98	
Yard clerks	1,751 25	
Total		7,241 23
Balance of appropriation transferred to Reserve Fund		$90 77

Highways and Bridges—Continued

STREET MAINTENANCE

Appropriation	$77,047 00
Transfer from Reserve Fund	5,923 00
Total appropriation	$82,970 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For labor and materials	$116 38
Barrels	1 70
Bricks	7 75
Gravel, cement, stone and stone dust	68 90
Horse	40 00
Horseshoeing	48 26
Oil	40
Old iron	56 18
Paving blocks	70 63
Permit fees	14 50
Rebate on bags	807 46
Rent, billboard space	30 00
Scrapings	60
Use of roller	14 00
	$1,276 76

EXPENDED

For salaries of district foremen	$2,761 13		
Stablemen	12,008 53		
Blacksmiths	4,660 10		
Carpenters	2,519 98		
Harnessmaker	742 00		
Painters	3,738 50		
Labor, as per payroll	23,847 44		
		$50,277 68	
Office expenses and telephone service:			
Advertising	$24 50		
Stationery, printing and office supplies	694 05		
Telephone service	235 27		
		953 82	
Bicycle repairs		2 00	
Carriage and wagon repairs		254 09	
Cement		562 34	
Fuel		1,456 34	
Gravel		310 22	
Harness and repairs and horse clothing		738 82	
Hay, grain and straw		4,385 07	
Horseshoeing, stock and clipping		381 37	
Amounts carried forward		$59,321 75	$82,970 00

Highways and Bridges—Continued

STREET MAINTENANCE—Concluded

Amounts brought forward		$59,321 75	$82,970 00
Lighting supplies:			
Electric lighting	$545 24		
Lamps, lanterns and oil	26 05		
		571 29	
Lumber		417 62	
New equipment:			
Fire extinguishers	$28 00		
Connection of electric motors	15 83		
Speed blower	56 00		
Steam roller	3,200 00		
Stove	12 50		
		3,312 33	
Painters' supplies		618 45	
Paving blocks		944 00	
Renewals and repairs, stables		306 53	
Stable supplies		597 35	
Steam roller repairs and supplies		694 62	
Stone crusher repairs and supplies		499 86	
Stone:			
Field stone	$211 84		
Crushed stone	8,818 60		
		9,030 44	
Special road treatment		3,800 49	
Street signs		30 25	
Teaming, as per payroll		2,031 75	
Tools and repairs and miscellaneous supplies		706 32	
Sundries:			
Car tickets	$10 00		
Chemist's test on cement	5 00		
Cleaning trees	1 50		
Expressage	2 40		
"Municipal Journal and Engineer"	3 00		
Raising and housing topmast	39 25		
Removal of wires, Raymond street	21 61		
Miscellaneous	3 94		
		86 70	
Total			82,969 75
Balance transferred to Reserve Fund			$0 25

HORSES

Appropriation		$2,000 00

EXPENDED

For horses	$1,225 00	
Total		1,225 00
Balance of appropriation transferred to Reserve Fund		$775 00

Highways and Bridges—Continued

GRADING AND MACADAMIZING WASHBURN AVENUE

Appropriation from Reserve Fund		$1,400 00
EXPENDED		
For labor, as per payroll	$544 00	
Crushed stone	222 68	
Field stone	99 77	
Gravel	28 88	
Hay, grain and straw	34 80	
Teaming, as per payroll	24 00	
Total		954 13
Balance transferred to Reserve Fund		$445 87

WIDENING MOUNT AUBURN STREET

Appropriation from Reserve Fund		$600 00
EXPENDED		
For labor, as per payroll	$390 40	
Teaming, as per payroll	109 50	
Total		499 90
Balance transferred to Reserve Fund		$100 10

McNAMEE SQUARE

Appropriation from Reserve Fund		$400 00
EXPENDED		
For labor, as per payroll	$120 00	
Crushed stone	213 06	
Gravel	30 28	
Hay, grain and straw	23 20	
Total		386 54
Balance transferred to Reserve Fund		$13 46

Highways and Bridges—Continued

LAND DAMAGES

Appropriation, brought forward from 1911			$69 07
Additional appropriation			22,000 00
			$22,069 07

EXPENDED

For expert testimony		$150 00	
Land and damage, Massachusetts avenue:			
Elizabeth Bird	$1,816 00		
Annie F. Mottage	1,434 38		
President and Fellows Harvard College	4,377 72		
Annie E. Southwick	2,200 00		
Mary P. Southwick	4,500 00		
Velma Morse	1,050 00		
		15,378 10	
Land and damage, Allston street:			
Eliza Sullivan		50 00	
Land and damage, Essex street:			
Susie M. Lagerquist		152 84	
Land and damage, Tenney street:			
Sarah A. Osborn		500 00	
Land and damage, Warland street:			
Caroline L. Hovey		1,073 00	
Acts of Board of Survey:			
Michael Conroy	$50 00		
George Cox, et als	50 00		
George G. Crocker, et als	50 00		
Annie Lalley	50 00		
Alexander Millan	50 00		
George G. Wright	50 00		
		300 00	
Total			17,603 94
Balance of appropriation			$4,465 13

CONSTRUCTION AND REBUILDING STREETS

PROSPECT STREET, PUTNAM AVENUE AND MASSACHUSETTS AVENUE

Appropriation, brought from 1911	$5,475 47
Additional appropriation	5,000 00
	$10,475 47
Amount carried forward	$10,475 47

Highways and Bridges—Continued

CONSTRUCTION AND REBUILDING STREETS—Continued

PROSPECT STREET, PUTNAM AVENUE AND MASSACHUSETTS AVENUE—Concluded

Amount brought forward		$10,475 47
EXPENDED		
For labor, as per payroll	$2,392 02	
Cement	574 06	
Concrete stone	667 70	
Gravel	197 14	
Hay, grain and straw	26 50	
Pitch	118 90	
Tarvia	191 40	
Teaming, as per payroll	881 63	
Storage of automobile	7 50	
Vitrified bricks	810 30	
Vitrified paving blocks	2,842 00	
Tools and miscellaneous supplies	60 40	
Total		8,769 55
Balance of appropriation		$1,705 92

MOUNT AUBURN STREET, SPARKS STREET TO COOLIDGE AVENUE

Appropriation		$30,000 00
EXPENDED		
For labor, as per payroll	$7,031 41	
Bitulithic surface	14,487 75	
Cement	1,371 38	
Concrete stone	1,530 96	
Fuel	40 63	
Gravel	449 62	
Hay, grain and straw	46 89	
Lighting supplies	153 15	
Lumber	44 90	
Teaming, as per payroll	2,580 75	
Tools, repairs and miscellaneous supplies	141 75	
Total		27,879 19
Balance of appropriation		$2,120 81

Highways and Bridges—Continued

CONSTRUCTION AND REBUILDING STREETS—Continued

HADLEY STREET

Appropriation from 1911		$414 97

EXPENDED

For labor, as per payroll	$119 75	
Granite paving blocks	8 64	
Tarvia	282 42	
Total		410 81
Balance of appropriation		$4 16

COMMERCIAL AVENUE

Appropriation		$45,000 00

EXPENDED

For labor, as per payroll	$12,211 63	
Advertising	7 25	
Bridge repairs	34 15	
Cement	3,070 17	
Chairs	11 00	
Concrete stone	1,659 74	
Crushed stone	378 74	
Edgestones	1,830 79	
Granite paving blocks	18,794 56	
Gravel	1,037 56	
Hay, grain and straw	135 00	
Lighting supplies	78 87	
Sewer work	569 46	
Switchboard	255 00	
Teaming, as per payroll	3,136 50	
Tools and repairs and miscellaneous supplies	356 35	
Total		43,566 77
Balance of appropriation		$1,433 23

Highways and Bridges—Continued

CONSTRUCTION AND REBUILDING STREETS—Concluded

BOYLSTON STREET

Appropriation		$9,300 00
EXPENDED		
For labor, as per payroll	$1,826 79	
Advertising	13 25	
Bitulithic pavements	5,491 46	
Cement	513 82	
Concrete mixer	171 00	
Concrete stone	497 70	
Fuel	15 77	
Hardware and tools	3 36	
Lighting supplies	16 10	
Teaming, as per payroll	750 75	
Total		9,300 00

BROADWAY, HANCOCK TO PROSPECT STREETS

Appropriation		$20,000 00
EXPENDED		
For labor, as per payroll	$4,442 65	
Bitulithic pavements	9,454 80	
Cement	1,771 40	
Concrete stone	957 55	
Gravel	177 14	
Hay, grain and straw	58 50	
Hardware, tools, etc	68 45	
Lighting supplies	109 65	
Supply, Water Dept	4 84	
Teaming, as per payroll	244 25	
Use of mixer	80 00	
Total		18,369 23
Balance of appropriation		$1,630 77

ERIE STREET

Appropriation from 1911		$1,150 38
EXPENDED		
For labor, as per payroll	$369 09	
Granite paving blocks	613 34	
Gravel	32 95	
Teaming, as per payroll	135 00	
Total		1,150 38

Highways and Bridges—Continued

INCINERATOR AT RAYMOND STREET

Appropriation		$5,500 00
EXPENDED		
For labor, as per payroll	$639 20	
Advertising	8 43	
Building contract	1,500 00	
Piers	75 00	
Total		2,222 63
Balance of appropriation		$3,277 37

REPAIRING AND REBUILDING STREETS—ACCOUNT SUBWAY

Appropriation from Special Receipts		$8,427 50
EXPENDED		
For labor, as per payrolls	$2,415 79	
Crushed stone	2,402 52	
Fuel	32 85	
Hardware and tools	5 47	
Hay, grain and straw	152 03	
Tarvia	1,615 35	
Teaming, as per payrolls	542 06	
Total		7,166 07
Balance of appropriation		$1,261 43

EDGESTONES AND SIDEWALKS

Appropriation brought from 1911		$0 21
Additional appropriations		25,000 00
		$25,000 21
EXPENDED		
For labor, as per payroll	$10,892 84	
Advertising	7 00	
Allowance on artificial stone sidewalks	984 01	
Amounts carried forward	$11,883 85	$25,000 21

Highways and Bridges—Continued

EDGESTONES AND SIDEWALKS—Concluded

Amounts brought forward...........	$11,883 85	$25,000 21
New artificial stone sidewalks....	7 60	
Bricks	4,481 74	
Edgestones	5,127 81	
Gutter stone	114 50	
Gravel	928 98	
Hay, grain and straw...........	301 55	
Lighting supplies	180 75	
Lumber	42 72	
Teaming, as per payroll.........	1,754 50	
Tools and miscellaneous supplies.	175 93	
Total		24,999 93
Balance of appropriation.....................................		$0 28

SIDEWALK REPAIRS

Appropriation	$6,675 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For constructing driveways, etc......	$1,631 28

EXPENDED

For labor, as per payroll.............	$6,375 83	
Bricks	306 60	
Edgestone	250 93	
Gravel	478 14	
Hay, grain and straw............	179 55	
Lighting supplies	43 40	
Repairing artificial stone sidewalks	179 25	
Teaming, as per payroll..........	353 25	
Tools and miscellaneous supplies.	7 84	
Total		8,174 79
Excess of expenditure over appropriation....................		$1,499 79
Transfer from Reserve Fund................................		1,500 00
Transfer to Reserve Fund....................................		$0 21

Highways and Bridges—Continued

CROSSINGS

Appropriation		$2,260 00
EXPENDED		
For labor, as per payroll	$1,317 22	
Granite flagging	154 63	
Gravel	119 22	
Paving blocks	300 00	
Printing	4 00	
Stable expense (hay, grain and straw)	12 50	
Teaming, as per payroll	120 00	
Total		2,027 57
Balance of appropriation transferred to Reserve Fund		$232 43

STREET SPRINKLING

Appropriation			$37,285 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY			
For watering private ways		$304 26	
EXPENDED			
For salary of foreman		$1,200 00	
Sprinkling streets, by contractors		28,426 90	
Clerical services on assessments		65 50	
Carriage repairs		21 65	
Harness repairs		50 00	
Hay, grain and straw		142 93	
Printing		5 00	
Special road treatment:			
Labor, as per payroll	$686 40		
Teaming, as per payroll	18 00		
Tarvia and oil	5,590 96		
Dustoline	535 08		
Boots and shoes	8 75		
		6,839 19	
Standpipe repairs		199 26	
Watering cart repairs		334 56	
Total			37,284 99
Balance of appropriation transferred to Reserve Fund			$0 01

Highways and Bridges—Continued

STREET LIGHTING

Salaries

Appropriation		$1,000 00

EXPENDED

For salary of Superintendent of Lamps	$1,000 00	
Total		1,000 00

General Expenses

Appropriation		$80,450 00

EXPENDED

For automobile license		$10 00	
Automobile repairs and supplies		244 95	
Car tickets		25 00	
Directory		4 50	
Expressage		75	
Lighting streets:			
Arc	$58,360 59		
Series	11,683 87		
Gas	10,932 28		
		80,976 74	
Periodicals		2 00	
Printing		12 61	
Rent of stable		36 00	
Setting and repairing lamp-posts		271 24	
Travelling expenses to convention		15 00	
Total			81,598 79
Excess of expenditure over appropriation			1,148 79
Transfer from Reserve Fund			1,500 00
Balance transferred to Reserve Fund			$351 21

LIGHTING MASSACHUSETTS AVENUE

Appropriation from Reserve Fund		$1,000 00

EXPENDED

For lighting	$691 13	
Total		691 13
Balance transferred to Reserve Fund		$308 87

Highways and Bridges—Continued

STREET DEPARTMENT—BRIDGES

Appropriation		$8,175 00
EXPENDED		
For salaries of drawtenders	$6,881 87	
Fuel	35 80	
Ironwork	2 70	
Lime	1 15	
Lumber	430 94	
Motor service	163 83	
Protection of tracks during repairs at Mt. Auburn street bridge, 1910	21 29	
Rebuilding wall at Massachusetts avenue and Alewife brook	60 00	
Repairing broken switch	5 10	
Repairing stove at house	10 00	
Repairs	34 46	
Tools and miscellaneous supplies	27 72	
Total		7,674 86
Balance of appropriation transferred to Reserve Fund		$500 14

SUMMARY—EXPENDED

For salaries of drawtenders and assistants		$6,641 58
First Street Bridge:		
Labor	$5 78	
Repairs and supplies	112 32	
		118 10
Third Street Bridge:		
Labor	$130 13	
Repairs and supplies	374 34	
		504 47
Sixth Street Bridge:		
Labor	$37 13	
Repairs and supplies	130 91	
		168 04
Wellington Street Bridge:		
Repairs and supplies		24 02
Mt. Auburn Street Bridge:		
Repairs and supplies		21 29
Alewife Brook Bridge:		
Repairs and supplies		61 15
Walden Street Bridge:		
Labor	$59 25	
Repairs and supplies	19 66	
		78 91
Porter Station Bridge:		
Labor		8 00
Commercial Avenue Bridge:		
Supplies		49 30
		$7,674 86

Highways and Bridges—Continued

REPAIRING BOYLSTON STREET BRIDGE

Appropriation		$1,100 00
EXPENDED		
For repairs, carpentry, lumber, etc.	$988 09	
Total		988 09
Balance transferred to Reserve Fund		$111 91

REPAIRING HARVARD BRIDGE

Appropriation		$2,500 00
EXPENDED		
For advertising	$7 10	
Painting	2,727 21	
Total		2,734 31
Excess of expenditure over appropriation		$234 31
Transfer from Reserve Fund		400 00
Balance transferred to Reserve Fund		$165 69

CAMBRIDGE BRIDGE

Appropriation brought from 1911		$4,135 07
Additional appropriations		10,000 00
		$14,135 07
EXPENDED		
For labor, as per payroll	$3,399 83	
Cement	620 99	
Edgestones	460 28	
Fuel	26 39	
Gravel	240 18	
Hardware, tools and miscellaneous supplies	117 75	
Hay, grain and straw	58 80	
Installing gas lamps	849 88	
Lighting supplies	33 60	
Paving blocks	4,169 13	
Sewer work	107 63	
Stone	424 61	
Teaming, as per payroll	579 75	
Total		11,088 82
Balance of appropriation		$3,046 25

Highways and Bridges—Continued

COMMERCIAL AVENUE BRIDGE

Appropriation brought from 1911		$2,107 50
EXPENDED		
For labor and materials	$173 18	
Motors	458 99	
Total		632 17
Balance of appropriation		$1,475 33

MOTORS FOR SIXTH STREET BRIDGE

Appropriation		$500 00
EXPENDED		
Installing motors	$499 86	
Total		499 86
Balance transferred to Reserve Fund		$0 14

BOSTON AND CAMBRIDGE BRIDGES

Salaries

Appropriation			$11,082 00
EXPENDED			
For salaries of:			
Bridge Commissioners		$700 00	
Clerks		250 00	
Drawtenders and caretenders:			
At Cambridge Bridge	$1,528 66		
Harvard Bridge	2,766 45		
Prison Point Bridge	2,839 56		
River street, Western avenue and Boylston street bridges	2,810 40		
Inspector, repainting Harvard Bridge	136 50		
Substitutes during vacations	320 36		
Substitutes	25 88		
		10,427 81	
Total			11,377 81
Excess of expenditure over appropriation			$295 81
Transfer from Reserve Fund			295 81

Highways and Bridges—Continued

BOSTON AND CAMBRIDGE BRIDGES—Continued

General Expenses

Appropriation				$6,560 00

EXPENDED

For Commissioners' and office expenses:				
Car tickets		$45 00		
Stationery, printing and office supplies		72 51		
Telephone service		6 22	$123 73	
Cambridge Bridge:				
Brooms		$9 50		
Cleaning bridge (including $5.25 transfer)		36 75		
Cleaning carts and patrol carts		38 00		
Gas heater for tower		4 80		
Heating tower		3 60		
Lighting		1,609 59		
Repairing lamp-posts, lanterns, etc.		29 30		
Sand		3 12		
Sidewalk at Cambridge end bridge (transfer)		10 12		
Tools and miscellaneous supplies		4 55	1,749 33	
Harvard Bridge:				
Cleaning bridge		$125 71		
Snow removal		18 88		
Fire extinguishers		5 87		
Fuel for house		23 70		
Lighting		850 13		
Oil		75		
Furniture and furnishings		8 72		
Plumbing at house		4 88		
Repairs to bridge:				
Carpentry	$542 71			
Ironwork, etc.	72 21			
Lumber	149 33			
Paving blocks	255 84	1,020 09		
Sand and spreading		477 43		
Teaming		72 00		
Tools and miscellaneous supplies		46 60	2,624 76	
Amounts carried forward			$4,497 82	$6,560 00

Highways and Bridges—Concluded

BOSTON AND CAMBRIDGE BRIDGES, GENERAL EXPENSES—Concluded

Amounts brought forward			$4,497 82	$6,560 00
Boylston Street Bridge:				
Repairs:				
Carpenters		$15 75		
Supplies for repairs		8 88		
			24 63	
Brookline Street Bridge:				
Lighting		$228 62		
Repairs:				
Carpenters	$144 00			
Lumber	232 74			
		376 74		
Tools and miscellaneous supplies		4 50		
Use of horse and wagon		1 00		
			610 86	
Prison Point Bridge:				
Brooms		$10 70		
Fire extinguishers		5 88		
Fuel		11 85		
Furniture and furnishings		4 63		
Painting house		24 75		
Plumbing at house		24 29		
Repairs to bridge:				
Carpenters	$466 57			
Lumber	390 43			
Ironwork	15 29			
		872 29		
Repairs to pier:				
Carpenters		78 38		
Tools and miscellaneous supplies		25 02		
			1,057 79	
River Street Bridge:				
Fire extinguishers		$5 88		
Fuel		12 10		
Ice		4 50		
Lighting		41 25		
Repairs, carpentry		2 00		
Tools and miscellaneous supplies		9 98		
			75 71	
Western Avenue Bridge:				
Lighting		$41 25		
Repairs:				
Carpenters	$132 54			
Lumber	100 69			
		233 23		
Tools and miscellaneous		3 47		
			277 95	
Total				6,544 76
Balance transferred to Reserve Fund				$15 24

CHARITIES

CITY HOME

Salaries

Appropriation		$7,100 00

EXPENDED

For salary of Superintendent	$1,500 00	
Sundry house employees	5,667 24	
Organist	25 00	
Total		7,192 24
Excess of expenditure over appropriation		$92 24
Transfer from Reserve Fund		92 24

General Expenses

Appropriation		$14,000 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For board:	
Soldiers' Relief Dept.	$114 99
Other cities	167 29
Sundry persons	233 15
Barrels and bags	52 45
Grease and bones	39 03
Junk	5 50
	$612 41

EXPENDED

For advertising	$28 10	
Burials	69 00	
Car tickets	120 00	
Cash to inmates	171 75	
Cash expended for traveling expenses and sundries	2 75	
Clergymen's services	112 00	
Clothing, dry goods and bedding	1,102 74	
Crushed stone	19 80	
Directory	4 00	
Disinfectant and insecticide	91 50	
Expressage	25 01	
Fuel	1,076 10	
Furniture, furnishings and household supplies	999 33	
Gas	248 73	
Amounts carried forward	$4,070 81	$14,000 00

Charities—Continued

CITY HOME, GENERAL EXPENSES—Concluded

Amounts brought forward		$4,070 81	$14,000 00
House repairs:			
Boiler repairs	$425 26		
Carpenter	66 00		
Glazing	54 68		
Lumber	5 66		
Mason	107 30		
Plumbing	64 11		
Paint, varnish, etc.	121 65		
Pipe and cement	74 94		
Roof repairs	35 64		
Tools and miscellaneous supplies for repairs	63 60		
		1,018 84	
Hose		12 00	
Medical attendance and supplies		389 59	
Motor service		60 00	
Newspapers and periodicals		15 90	
Oil		32 80	
Plants and seeds		63 20	
Salt		12 00	
Sealing fees		1 92	
Stationery, printing and office supplies		77 20	
Subsistence supplies		9,643 42	
Telephone service		100 60	
Total			15,498 28
Excess of expenditure over appropriation			$1,498 28
Transfer from Reserve Fund			1,500 00
Balance transferred to Reserve Fund			$1 72

CITY FARM

Labor

Appropriation		$3,585 00

EXPENDED

For salary of farmer	$795 00	
Driver of produce wagon	644 25	
Farm labor	2,137 43	
Total		3,576 68
Balance transferred to Reserve Fund		$8 32

Charities—Continued

CITY FARM—Concluded

General Expenses

Appropriation	$1,100 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of produce	$4,286 59

EXPENDED

For branding stamp	$5 10	
Carpenter work	16 00	
Eggs for setting	10 00	
Electric lighting	24	
Hay, grain and straw	478 48	
Horseshoeing	47 25	
Livestock (hens and hogs)	21 00	
Lumber	89 76	
Seeds, plants, etc.	145 90	
Tools and miscellaneous supplies.	146 27	
Wagon	140 00	
Total		1,100 00

CITY HOME HOSPITAL

Salaries

Appropriation	$950 00

EXPENDED

For salaries of:		
Nurse	$636 00	
Attendant	265 00	
Cleaner	106 00	
Total		1,007 00
Excess of expenditure over appropriation		$57 00
Transfer from Reserve Fund		57 00

General Expenses

Appropriation	$700 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For board:	
Sundry persons	$253 35
From the State	47 50
Other cities and towns	31 43
	$332 28

Amount carried forward	$700 00

Charities—Continued

CITY HOME HOSPITAL, GENERAL EXPENSES—Concluded

Amount brought forward		$700 00

EXPENDED

For food	$139 32	
Fuel	139 93	
Furniture and furnishings	43 32	
Lighting	80 08	
Medical and surgical supplies	252 86	
Paint	15 50	
Plumbing, etc.	28 67	
Total		699 68
Balance transferred to Reserve Fund		$ 32

OUTSIDE AID

Salaries

Appropriation		$4,090 00

EXPENDED

For salaries of:		
Secretary of Overseers of the Poor	$1,500 00	
Visitor	1,200 00	
Clerk	912 92	
Driver of aid wagon	482 50	
Total		4,095 42
Excess of expenditure over appropriation		$5 42
Transfer from Reserve Fund		5 42

General Expenses

Appropriation		$23,010 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For reimbursements:		
From individuals	$76 41	
From other cities and towns	1,851 21	
From the State	1,339 85	
	$3,267 47	
Amount carried forward		$23,010 00

Charities—Continued

OUTSIDE AID, GENERAL EXPENSES—Continued

Amount brought forward			$23,010 00

EXPENDED

For general administration:			
Binding	$15 55		
Car tickets	150 00		
Directories	22 00		
Disinfectant	7 50		
Electrical work	11 45		
Expressage	30		
Ice	20 80		
Laundry and towel supply	7 20		
Lighting office	40 42		
Newspapers	10 88		
Office furniture	9 50		
Telegram	76		
Telephone service	124 93		
Stationery and office supplies	355 31		
Wagon repairs	87 84		
		864 44	
Outside relief:			
Board and care of children:			
By State Board of Charity	$761 25		
Avon Home	119 46		
Boston Children's Aid Society	208 00		
Children's Hospital	11 50		
Children's Mission	220 00		
Massachusetts Hospital School	1,738 84		
In private homes	946 31		
		4,005 36	
Board and care of inebriates	$26 47		
Board at State Infirmary	339 11		
Board at Cambridge Hospital	151 42		
Board at Cambridge Relief Hospital	417 86		
Board at Holy Ghost Hospital	114 29		
Board at hospitals of other cities	273 44		
Partial support	149 54		
Burials	300 00		
Cash aid	3,400 65		
		5,172 78	
Expenses on account of persons sent to institutions:			
Ambulance hire	$110 00		
Attendants	74 00		
Railroad fares	70 64		
Sundries	25		
		254 89	
Amounts carried forward		$10,297 47	$23,010 00

Charities—Concluded

OUTSIDE AID, GENERAL EXPENSES—Concluded

Amounts brought forward		$10,297 47	$23,010 00
Supplies and distribution:			
Baskets and bags	$31 25		
Clothing	76 46		
Food	5,385 71		
Fuel	1,044 86		
Medicine	496 10		
Soap	150 25		
		7,184 63	
Services of physicians		75 00	
Relief given by other cities and towns		6,913 27	
Total			24,470 37
Excess of expenditure over appropriation			$1,460 37
Transferred from Reserve Fund			1,460 37

SALARY OF CITY PHYSICIAN

Appropriation		$2,000 00

EXPENDED

For salary of city physician	$2,000 00	
Total		2,000 00

SOLDIERS' BENEFITS

STATE AID—SOLDIERS' RELIEF

Appropriation			$28,300 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For State aid:			
From State	$13,081 00		
Money refunded	74 00		
		$13,155 00	
Amounts carried forward		$13,155 00	$28,300 00

Soldiers' Benefits—Concluded

STATE AID, SOLDIERS' RELIEF—Concluded

Amounts brought forward		$13,155 00	$28,300 00
Military aid:			
From State	$249 00		
Money refunded	2 00		
		251 00	
Soldiers' relief:			
Town of Danvers	$96 00		
Town of Northboro	30 00		
Money refunded	28 00		
		154 00	
Soldiers' burials:			
From State		629 00	
Board, sundry persons		68 00	
		$14,257 00	

EXPENDED

For general administration:			
Salary of clerk	$600 00		
Car tickets	20 00		
Stationery and office supplies	103 75		
		$723 75	
Soldiers' burials:			
Burial agent	$30 00		
Burials	486 00		
		516 00	
State aid, as per payroll		11,903 00	
Military aid, as per payroll		763 00	
Soldiers' relief:			
Payroll	$12,405 00		
Soldiers' relief advanced by City of Somerville	54 00		
Relief by other cities and towns	174 00		
Board	115 35		
Carriage and ambulance hire	13 50		
Fuel	73 27		
Investigation of case	3 00		
Medicine	1 70		
Services of physician	62 50		
Subsistence supplies	56 19		
		12,958 51	
Total			26,864 26
Balance transferred to Reserve Fund			$1,435 74

EDUCATION

SCHOOL COMMITTEE EXPENSES

Allowance for schools under Chapter 566, Acts of 1907	$535,737 56
Revenue appropriated, Chapter 362, Acts of 1908	6,190 18
	$541,927 74

DEPARTMENT RECEIPTS

For tuition of State wards		$718 00
Tuition at High School, Hopkins Fund		280 00
Tuition at summer school, Harvard University		616 00
Tuition of non-resident pupils:		
At High Schools		600 00
At Rindge Technical School		2,755 00
Reimbursement on account of independent industrial schools, Commonwealth of Massachusetts		4,453 75
Damage to window		1 00
Deposits forfeited		52 90
Refund on bill		49 02
Sales from Cooking Dept., High School		106 61
Sales and damages received from schools		303 60
Sale of old materials		257 56
Sale of text books, etc		252 34
Use of school halls		106 00
Use of telephone		25 87
Sale of minors' licenses		87 00
		$10,664 65
Less refund on minors' licenses	$54 00	
Less revenue appropriated, as above	6,190 18	
		6,244 18
Balance unexpended		$4,420 47

EXPENDED

For administrative salaries:			
Superintendent	$4,000 00		
Primary supervisor	1,350 00		
		$5,350 00	
Other general salaries:			
Agent and secretary	$2,850 00		
Office clerks	2,340 00		
Porter	700 00		
Truant officers	4,076 75		
Superintendent of buildings	348 33		
Writing teacher	194 40		
		10,509 48	
Amounts carried forward		$15,859 48	$541,927 74

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

Amounts brought forward			$15,859 48	$541,927 74
Other general expenses:				
Advertising		$49 00		
Annual report		661 51		
Car tickets		400 00		
Census		282 39		
Clerical service		8 00		
Correction of examination papers		14 44		
Engraving plate		1 06		
Multigraphing		10 00		
Printing, stationery and office supplies		667 70		
Telephone service		285 93		
Travelling expenses of Superintendent		102 46		
Typewriter		60 90		
Board of horse		12 50	2,555 89	
Teachers' salaries:				
High schools		$58,051 16		
Instructor in gymnastics		858 08		
Rindge Technical School		33,654 73		
Wellington Teachers' Training School		18,066 29		
Grammar schools		149,253 27		
Primary schools		84,806 83		
Manual training in grades		4,355 00		
Fresh Air School		1,164 84		
Drawing instructor		847 17		
Music instructor		848 37		
Sewing teachers		3,371 99		
Kindergartens		19,231 71		
Supervisors of drawing		1,997 00		
Supervisors of gymnastics		2,200 00		
Supervisors of music		1,766 00		
Special teacher		268 00		
Substitutes:				
High schools	$114 00			
Rindge	792 00			
Grammar sch'ls	1,735 97			
Primary schools	2,562 28	5,204 25		
Evening schools:				
Supervisor	$300 00			
Industrial	1,218 00			
Free-hand drawing	273 00			
Mechanical drawing	663 00			
High	1,600 00			
Elementary	5,450 00			
Sewing	1,382 00	10,886 00		
Amounts carried forward		$396,830 69	$18,415 37	$541,927 74

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

Amounts brought forward	$396,830 69	$18,415 37	$541,927 74
Special summer school	800 00		
Vacation schools	1,799 00		
Unassigned teachers	5,475 00		
		404,904 69	
Text-books and supplies:			
Apparatus and supplies	$11,525 92		
Books, maps and charts	13,188 71		
Binding	373 49		
Car tickets	25 00		
Expressage and teaming	413 48		
Piano and organ tuning, repairs, etc.	137 00		
Postage and stamped envelopes	114 70		
Printing outfits	1,184 43		
Motor service, Rindge School	89 18		
		27,051 91	
Tuition:			
City of Boston, girls' trade school		206 17	
Transportation of pupils		324 00	
Support of truants		1,579 06	
Janitors' services:			
Head janitor	$1,400 00		
Janitors and firemen, day schools	39,565 85		
Janitors and firemen, evening schools	1,189 28		
Night watchmen	757 14		
Janitor and firemen, special summer school	200 00		
Janitors, vacation school	160 00		
Janitors, summer work	150 00		
Janitors, extra labor	74 25		
		43,496 52	
Fuel and light:			
Coal and wood	$22,591 21		
Oil and lamps	1 75		
Gas	761 60		
Electric lighting	2,759 40		
		26,113 96	
Maintenance of buildings and grounds—Janitors' supplies:			
Ash barrels	$45 45		
Brooms, brushes, etc.	959 16		
Disinfectant	660 65		
Fire extinguishers	12 50		
Mowers	10 74		
Miscellaneous	125 23		
Oil, waste, etc.	42 18		
Sawdust	7 75		
Amounts carried forward	$1,863 66	$522,091 68	$541,927 74

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

Amounts brought forward	$1,863 66	$522,091 68	$541,927 74
Sand	33 00		
Toilet paper	52 50		
		1,949 16	
Repairs to buildings:			
Blackboards	$279 53		
Carpentry	1,660 82		
Heating and ventilating apparatus	3,079 19		
Lighting apparatus, gongs and electrical work	662 83		
Locks, door checks, etc	81 25		
Mason work	2,719 53		
Painting, whitening, glazing, etc.	1,147 27		
Plastering	452 05		
Plumbing	1,289 83		
Shower baths at Rindge School	299 87		
Shower baths at Latin School	68 00		
Repairs to shades, chairs, etc.	203 52		
Roof repairs and removing snow	417 09		
Teaming and expressage	123 50		
Transferring bank from Rindge School to High School	239 45		
Miscellaneous supplies for repairs	76 87		
		12,800 60	
Care of grounds:			
Gardeners	$662 12		
Carpenters	806 00		
Grading	37 50		
Gravel	36 00		
Fertilizer	76 46		
Moth extermination	2 50		
Repairing fences, etc	211 82		
Supplies	10 61		
Shrubbery	48 50		
		1,891 51	
Flags and flagstaffs:			
Removing pole	$16 21		
Repairs to flags	33 90		
		50 11	
Furniture and furnishings:			
Bookcases and cabinets	$357 68		
Chairs, desks, benches, etc	1,863 00		
Clocks and repairs	16 70		
Desk lamps	7 60		
Heater	5 63		
Shades and repairs	53 25		
		2,303 86	
Amounts carried forward		$541,086 92	$541,927 74

Education—Continued

SCHOOL COMMITTEE EXPENSES—Concluded

Amounts brought forward			$541,086 92	$541,927 74
Other school expenses:				
Boiler insurance		$240 00		
Clothing, etc., for Fresh Air School		14 17		
Graduation and festival expenses:				
Expenses of Saunders Theatre	$35 75			
Slides for lanterns	7 20			
Tickets and programs	93 40			
Use of piano	20 00			
		156 35		
Diplomas and engrossing		374 00		
Laundry for cooking school		2 64		
Medical supplies		17 43		
Miscellaneous supplies		6 23		
Rebate on tuition		30 00		
			840 82	
Total				541,927 74

THORNDIKE SCHOOLHOUSE

Appropriation brought forward from 1911		$112,563 55

EXPENDED

For building contract	$53,955 25	
Consulting engineer	334 12	
Electrical contract	774 00	
Fees of architect	1,000 00	
Heating apparatus	8,910 00	
Plumbing	2,895 00	
"Off and on"	1 00	
Tools and miscellaneous supplies	10 00	
Total		66,879 37
Balance of appropriation		$45,684 18

Education—Concluded

LAND AT RUSSELL SCHOOL

Appropriation		$2,500 00
EXPENDED		
For land on Larch road	$2,500 00	
Total		2,500 00

NEW WING, HIGH AND LATIN SCHOOLS

Appropriation brought forward from 1911		$5,000 00
EXPENDED		
Fees of architect	$1,000 00	
Total		1,000 00
Balance of appropriation		$4,000 00

LIBRARIES.

CENTRAL LIBRARY

Salaries

Appropriation		$13,504 00
EXPENDED		
For salaries of:		
Librarian	$2,400 00	
Head assistant	1,200 00	
Other regular assistants	6,998 00	
Sunday assistants, substitutes and pages	1,102 95	
Janitor and assistant	1,772 86	
Total		13,473 81
Balance transferred to Reserve Fund		$30 19

Libraries—Continued

General Expenses and Repairs to Building

Appropriation			$9,773 00
DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY			
For fines	$898 66		
EXPENDED			
For books and periodicals		$4,523 06	
Binding		1,006 61	
Art assessment		6 00	
Fuel		619 30	
Lighting		530 26	
Care and repair of building:			
Furniture and furnishings	$224 72		
Inspection of boilers	10 00		
Janitors' supplies	88 23		
Hose	19 50		
Soap	3 25		
Repairs:			
Carpentry	16 82		
Electrical work and supplies	135 69		
Heating apparatus	127 60		
Lumber	15 00		
Mason work	86 01		
Roof repairs	17 73		
Miscellaneous supplies for repairs	4 23		
		748 78	
Other expenses:			
Local stations	$372 00		
Bulletins	477 49		
Baskets	3 75		
Car tickets	10 00		
Catalog cards	81 25		
Delivering to local stations	500 00		
Expressage	39 99		
Membership, Am. Library Ass'n.	5 00		
Ice	6 51		
Insurance	198 00		
Laundry work	14 01		
Printing, postage and stationery	559 76		
Water cooler	5 40		
Spring water	6 50		
Telephone service	61 45		
Typewriter supplies and repairs	27 76		
		2,368 87	
Total			9,802 88
Excess of expenditure over appropriation			$29 88
Transfer from Reserve Fund			30 00
Transferred to Reserve Fund			$ 12

Libraries—Continued

EAST CAMBRIDGE BRANCH

Salaries

Appropriation			$1,207 00

EXPENDED

For salaries of:			
Custodian		$737 50	
Assistants		259 45	
Janitor and substitute		270 00	
Total			1,266 95
Excess of expenditure over appropriation			$59 95
Transfer from Reserve Fund			100 00
Balance transferred to Reserve Fund			$40 05

General Expenses

Appropriation			$1,560 00

EXPENDED

For books and periodicals		$1,099 69	
Binding		140 95	
Catalog cards		10 00	
Art collections:			
Assessment Library Art Club		3 00	
Lighting		78 71	
Care and repair of building:			
Furniture	$31 28		
Janitor's supplies	24 09		
Miscellaneous supplies	11 53		
		66 90	
Telephone service		4 60	
Typewriter		57 00	
Stationery, printing, etc.		99 00	
Total			1,559 85
Balance transferred to Reserve Fund			$ 15

Libraries—Concluded

NORTH CAMBRIDGE BRANCH

Salaries

Appropriation		$1,595 00

EXPENDED

For salaries of:		
Custodian	$721 30	
Assistants	643 55	
Janitor and substitute	270 00	
Total		1,634 85
Excess of expenditure over appropriation		$39 85
Transfer from Reserve Fund		79 85
Balance transferred to Reserve Fund		$40 00

General Expenses

Appropriation			$1,650 00

EXPENDED

For books and periodicals		$1,054 64	
Binding		140 20	
Art collections:			
Assessment, Library Art Club		3 00	
Lighting		183 61	
Care and repair of building:			
Dusters, etc.	$14 97		
Furniture and furnishings	11 50		
Repairs:			
Carpentry	31 31		
Glazing	5 94		
Miscellaneous supplies for repairs	5 67		
		69 39	
Catalog cards		30 00	
Ice		7 00	
Printing, postage, stationery, etc..		137 87	
Telephone service		24 00	
Total			1,649 71
Balance transferred to Reserve Fund			$ 29

RECREATION

PARK DEPARTMENT, CONSTRUCTION AND LANDS

Appropriation brought forward from 1911		$12,306 49
Transferred from appropriation for shower baths		35 00
		$12,341 49
EXPENDED		
For labor, as per payroll	$2,968 40	
Filling, as per payroll	651 34	
Advertising	19 00	
Examination to title to estate on Albro street	35 00	
Fuel	8 30	
Loam	16 00	
Lumber	12 74	
Rent of steam roller	300 00	
Road oil	136 00	
Sewer pipe	28 99	
Stone	5,164 62	
Tarvia	2,155 19	
Tools and miscellaneous supplies	71 38	
Trees	110 00	
Teaming, as per payroll	664 50	
Total		12,341 46
Balance of appropriation		$0 03

CONSTRUCTION—"DELTA" AT CAMBRIDGE BRIDGE

Appropriation brought forward from 1911		$927 83
EXPENDED		
For labor, as per payroll	$668 00	
Loam	32 58	
Lumber	15 75	
Teaming, as per payroll	211 50	
Total		927 83

GRANOLITHIC WALKS

Appropriation	$1,700 00
Transferred from appropriation for shower baths	63 90
	$1,763 90
Amount carried forward	$1,763 90

Recreation—Continued

GRANOLITHIC WALKS—Concluded

Amount brought forward		$1,763 90

EXPENDED

For labor, as per payroll	$138 25	
Advertising	4 88	
Cement	3 04	
Curb and posts	312 00	
Granolithic walks at Cambridge Field	1,193 43	
Total		1,651 60
Balance of appropriation		$112 30

FLOATING BATHS

Appropriation		$4,500 00

EXPENDED

For advertising	$18 12	
Blueprints	3 16	
Contract (first payment)	1,002 00	
Total		1,023 28
Balance of appropriation		$3,476 72

RIVERSIDE BOAT CLUB

Appropriation	$7,000 00

EXPENDED

For execution of court, land taken from Riverside Boat Club	7,000 00

SHOWER BATHS AND HEATING APPARATUS, RINDGE FIELD SHELTER

Appropriation brought forward from 1911		$514 27
Transfer to Construction and Lands	$35 00	
Transfer to Granolithic Walks	63 90	
		98 90
		$415 37
Amount carried forward		$415 37

Recreation—Continued

SHOWER BATHS AND HEATING APPARATUS, RINDGE FIELD SHELTER—Concluded

Amount brought forward		$415 37

EXPENDED

For carpentry	$45 23	
Lime	1 20	
Lumber	16 48	
Final payment on heating apparatus	140 25	
Final payment on shower bath contract	188 61	
Additional work on shower baths	19 72	
Miscellaneous supplies	3 88	
Total		$415 37

PARK DEPARTMENT MAINTENANCE

Salaries

Appropriation		$2,600 00

EXPENDED

For salaries of:		
General Superintendent of Parks	$1,800 00	
Clerk	790 46	
Total		2,590 46
Balance transferred to Reserve Fund		$9 54

General Expenses

Appropriation		$1,350 47
Transfer from Reserve Fund		200 00
Total appropriation		$1,550 47

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For rent of boathouse	$500 00	
Rent of land	635 20	
Labor	5 00	
Refund on overcharge	12 00	
	$1,152 20	
Amount carried forward		$1,550 47

Recreation—Continued

PARK DEPARTMENT MAINTENANCE, GENERAL EXPENSES—Concluded

Amount brought forward			$1,550 47
EXPENDED			
For car tickets		$10 00	
Office expenses and telephone service:			
Annual reports	$134 30		
Directory	4 00		
"Municipal Journal and Engineer"	3 00		
Photographic supplies	94		
Stationery, printing, etc	242 80		
Telephone service	159 56		
		544 60	
Stable expenses:			
Harness repairs and horse clothing	$26 60		
Horse board	226 00		
Horseshoeing	78 92		
		331 52	
Carriage repairs		31 35	
Entertaining committee		31 60	
Oil		9 75	
Miscellaneous supplies		6 70	
Repairs to Riverside Boat Club House		85 11	
Repairs to stable:			
Carpenter	$65 00		
Miscellaneous supplies	2 40		
		67 40	
Total			$1,118 03
Balance of appropriation			$432 44
Transfer to Reserve Fund			432 44

Commons, Squares and Public Grounds

Appropriation		$4,250 04
EXPENDED		
For labor, as per payroll	$3,580 32	
Fertilizer and seeds	43 22	
Housing and repairing flagpoles	35 75	
Lawnmowers and trimmers	87 60	
Lighting	336 58	
Loam	45 99	
Printing	1 50	
Stakes	20 00	
Repairs to board walks	77 41	
Repairs to iron fences	35 16	
Slats	8 10	
Amounts carried forward	$4,271 63	$4,250 04

Recreation—Continued

PARK DEPARTMENT MAINTENANCE, COMMONS, SQUARES AND PUBLIC GROUNDS—Concluded

Amounts brought forward	$4,271 63	$4,250 04
Wire for fences	15 94	
Teaming, as per payroll	108 00	
Tools and miscellaneous supplies	54 36	
Total		$4,449 93
Excess of expenditure over appropriation		$199 89
Transfer from Reserve Fund		200 00
Transfer to the Reserve Fund		$0 11

Cambridge Field and Shelter

Appropriation	$5,755 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For use of towels	$344 82

EXPENDED

For the Field:				
Labor, as per payroll		$1,837 52		
Care and repair of flagpoles		33 55		
Flag		6 80		
Couplings for hose		12 50		
Lighting		696 46		
Repairs to board walks		17 24		
Sand and bricks		2 84		
Stakes		12 50		
Tools and miscellaneous supplies		3 55		
Teaming, as per payroll		48 00		
			$2,670 96	
The Shelter:				
Salaries of:				
Superintendent		$1,060 00		
Matron		526 67		
Cleaner		720 00		
Brooms, mops, etc.		18 45		
Fuel		464 00		
Laundering towels		104 50		
Lighting		101 11		
Repairs:				
Plumbing	$47 37			
Heating apparatus	3 80			
		51 17		
Amounts carried forward		$3,045 90	$2,670 96	$5,755 00

Recreation—Continued

PARK DEPARTMENT MAINTENANCE, CAMBRIDGE FIELD AND SHELTER—Concluded

Amounts brought forward	$3,045 90	$2,670 96	$5,755 00
Soap	53 36		
Toilet paper	26 00		
Towels	58 75		
		3,184 01	
Total			5,854 97
Excess of expenditure over appropriation			$99 97
Transfer from Reserve Fund			100 00
Transfer to Reserve Fund			$ 03

Rindge Field and Shelter

Appropriation	$3,787 41

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For use of towels	$58 76

For the Field:				
Labor, as per payroll		$2,656 66		
Fuel		147 64		
Lighting		239 16		
Repairs to board walks		18 45		
Teaming, as per payroll		24 00		
			$3,085 91	
The Shelter:				
Salary of matron		$460 00		
Brooms, brushes, barrels, etc.		11 03		
Combs, crash, etc.		2 43		
Furniture		6 50		
Ice		7 20		
Laundering towels		18 45		
Lighting		12 73		
Repairs:				
Plastering	$30 00			
Plumbing	14 80			
Supplies for repairs	24 05			
		68 85		
Soap		8 80		
Stationery and photographic supplies		5 81		
Towels		99 45		
			701 25	
Total				3,787 16
Balance transferred to Reserve Fund				$ 25

Recreation—Continued

PLACING CURB—PLEASANT STREET

Appropriation		$225 00

EXPENDED

For contract	$209 00	
Loam	15 93	
		224 93
Balance transferred to Reserve Fund		$ 07

BATH HOUSE, CAPTAIN'S ISLAND

Appropriation	$1,700 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For use of suits, towels, etc.	$1,127 34

EXPENDED

For salaries of:			
Bathhouse keeper	$540 00		
Life guards	204 00		
Matrons and cashier	232 57		
		$976 57	
Labor, as per payroll		66 54	
Bathing suits		54 88	
Express		25	
Brushes, combs and sundry supplies		12 30	
Laundry		178 83	
Lighting		125 88	
Medical supplies		3 48	
Oxone generator		15 00	
Repairs:			
Carpenter, new office	$89 40		
Lumber	56 07		
Lock repairs, etc.	11 00		
Plumbing	6 90		
		163 37	
Row boat		41 00	
Tools and miscellaneous supplies		41 28	
Stationery and printing		20 49	
Total			1,699 77
Balance transferred to Reserve Fund			$ 23

Recreation—Continued

Longfellow Memorial Park

Appropriation		$250 00

EXPENDED

For labor, as per payroll	$253 26	
Total		253 26
Excess of expenditure over appropriation		$3 26
Transfer from Reserve Fund		3 26

River Parkway

Appropriation		$7,143 85

EXPENDED

For labor, as per payroll	$3,633 21	
Hose	3 00	
Lighting	2,731 89	
"Off and On"	1 00	
Raft repairs	123 96	
Stakes	40 00	
Tarvia	567 23	
Teaming, as per payroll	18 00	
Tools and miscellaneous supplies	22 23	
Total		7,140 52
Balance transferred to Reserve Fund		$3 33

Gun Carriages

Appropriation from Reserve Fund		$150 00

EXPENDED

For the building of gun carriages	$150 00	
Total		150 00

Recreation—Continued

LAND FOR PLAYGROUND

Appropriation		$45,000 00
EXPENDED		
For land purposes:		
Russell Field	$25,900 00	
Vine street	14,500 00	
Services of conveyancer	235 00	
Total		40,635 00
Balance of appropriation		$4,365 00

CONSTRUCTION AND EQUIPMENT OF PLAYGROUNDS

Appropriation		$25,000 00
EXPENDED		
For labor, as per payroll	$458 85	
Advertising	120 38	
Carpentry and lumber	55 45	
Children's slides	273 45	
Drainage	116 11	
Fees for landscape gardening, surveying, etc.	718 79	
Grading and filling	3,691 13	
Miscellaneous supplies	13 00	
Printing and stationery	7 75	
Professional services	150 00	
Teaming, as per payroll	12 00	
Total		5,616 91
Balance of appropriation		$19,383 09

PLAYGROUND COMMISSION

Salaries and Labor

Appropriation from Reserve Fund		$3,500 00
EXPENDED		
For salaries of:		
Superintendent	$320 00	
Summer director	205 00	
Teachers	2,495 03	
Labor	32 75	
Total		3,052 78
Balance transferred to Reserve Fund		$447 22

Recreation—Continued

PLAYGROUND COMMISSION—Concluded

General Expenses

Appropriation from Reserve Fund	$947 22

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For sale of Jersey, sticks, etc.	$8 22
Old material	180 58
	$188 80

EXPENDED

For car tickets		$20 00	
Committee Expenses:			
Automobile hire	$54 00		
Dinners	36 60		
		90 60	
Express		2 35	
Field Day:			
Cheese cloth	$23 88		
Orchestra	40 00		
Prizes	35 00		
Programs	6 00		
Whiting	80		
		105 68	
Lumber		6 52	
Printing, stationery, etc.		74 30	
Removing trees		12 00	
Supplies:			
Athletic goods, etc.	$268 18		
Badges	20 00		
Sand	79 03		
Sewing materials	18 48		
Spoons, dippers, etc.	27 25		
		412 94	
Teaming		16 50	
Telegrams		75	
Tools and miscellaneous supplies		1 24	
Travelling expenses, Chairman of Committee		200 00	
Total			942 88
Balance transferred to Reserve Fund			$4 34

Recreation—Concluded

CELEBRATION OF INDEPENDENCE DAY

Appropriation		$800 00

EXPENDED

For labor at field	$7 00	
Badges	5 86	
Balls, gloves, etc.	32 40	
Cigars	6 30	
Erecting bandstands	50 00	
Fireworks	600 00	
Games	100 00	
Music	300 00	
Prizes	24 00	
Services of umpires	40 00	
Supplies for contests	2 25	
Use of chairs	31 00	
Total		1,198 81
Excess of expenditure over appropriation		$398 81
Transfer from Reserve Fund		400 00
Transfer to Reserve Fund		$1 19

CELEBRATION OF LABOR DAY

Appropriation		$400 00

EXPENDED

For badges	$9 65	
Balls	10 75	
Games	50 00	
Music	100 00	
Printing, postage and stationery	19 60	
Prizes	185 00	
Roping off field	10 00	
Services of umpires	15 00	
Total		400 00

CELEBRATION OF MEMORIAL DAY

Appropriation		$1,200 00

EXPENDED

For observance of Memorial Day by the Grand Army of the Republic and Spanish War Veterans	$1,200 00	
Total		1,200 00

UNCLASSIFIED

DAMAGES TO PERSONS AND PERSONAL PROPERTY

Appropriation			$2,000 00
EXPENDED			
For executions of court:			
John Coughlin, for injuries received by wagon striking fallen tree	$100 00		
William A. Coughlin, injury received by collision with ash cart	70 00		
James H. Sullivan, injuries received from defect in street	200 00		
Cora J. Tryden, injuries received from defect in street	200 00		
Benjamin Weisman, damage to buildings from falling tree	60 00		
		$630 00	
Damages awarded:			
Damages to clothing from tree guards, etc.:			
Gertrude Morrison	$15 00		
Benjamin C. Scully	10 00		
Edna Rich	10 00		
		35 00	
Damages to fences, etc., from falling trees:			
Frank Doris	$25 00		
Caroline C. Eastman	3 00		
I. S. Forman	3 00		
Letitia McKenzie	5 66		
Patrick McLaughlin	3 50		
Timothy E. Murphy	5 25		
Thos. R. Sheridan	20 00		
		65 41	
Damages to clothing while on police duty:			
John Walsh		24 56	
Damages to property:			
Thomas P. O'Neil		25 00	
Injuries from defect in street, etc.:			
Catherine and Michael Byrne	$200 00		
Alma and Joseph Desillier	100 00		
Mary Hill, et als.	300 00		
Estate Mary E. Magee	125 00		
Anna L. McBride	25 00		
Annie E. McBride	30 00		
Mary G. McBride	25 00		
Katherine McBride	15 00		
John A. Menzies	100 00		
Mary O'Hearn	15 00		
Peter J. McLaughlin	25 00		
Mary Quans	60 00		
		1,020 00	
Amounts carried forward		$1,999 97	$2,000 00

Unclassified—Continued

DAMAGES TO PERSONS AND PERSONAL PROPERTY—Concluded

Amounts brought forward		$1,999 97	$2,000 00
Injury caused from disinfectant in street:			
Joseph Smith		35 00	
Damage to fence from fire apparatus:			
Michael Doyle		17 00	
Damages to property from bursting of water pipe:			
Fred A. Drew	$15 00		
Mary Guerin	20 00		
		35 00	
Total			2,086 97
Excess of expenditure over appropriation			$86 97
Transfer from Reserve Fund			86 97

INDUSTRIAL COMMISSION

Appropriation from Reserve Fund		$1,200 00

EXPENDED

For painting:		
"Bird's Eye View of Cambridge"	$500 00	
Frame	38 00	
Printing, stationery and supplies	30 70	
Refreshments	24 10	
Services of stenographer	7 44	
Telephone service	11 60	
Travelling expenses to Pittsfield, Mass.	13 30	
Travelling expenses to Grand Rapids, Mich.	59 65	
Total		684 79
Balance transferred to Reserve Fund		$515 21

INDUSTRIAL CARNIVAL

Appropriation		$300 00

EXPENDED

For music	$300 00	
Total		300 00

Unclassified—Concluded

POSTAGE AND STATIONERY

Appropriation		$1,700 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For stationery furnished to:	
Assessors' Department	$70 47
Auditing Department	35 13
Bridge Commission	3 00
City of Boston (Bridge Commission)	3 00
Cemetery Department	120 77
City Clerk's Department	211 37
City Council	46 93
City Messenger's Department	35 23
Clerk of Committees	102 39
Election expenses, City Clerk	134 11
Electrical Department	36 94
Engineering Department	22 81
Fire Department	26 45
Health Department	120 73
Inspection of Milk and Vinegar	5 39
Industrial Commission	5 20
Inspection of Buildings	42 63
Law Department	26 23
Mayor's Department	122 83
Overseers of the Poor	36 00
Park Department	97 66
Playground Commission	4 07
Police Department	31 11
Public Library	160 24
Registrars of Voters	24 43
Sealer of Weights and Measures	15 66
Sewer Department	12 87
State Aid	27 73
Street Department	72 01
Treasury Department	49 59
Water Department	84 73
Mr. Counihan (Edward J. Brandon banquet)	21 43
Total	$1,809 14

EXPENDED

For postage and stamped envelopes	$1,010 62	
Stationery and office supplies	614 88	
Total		1,625 50
Balance transferred to Reserve Fund		$74 50

PUBLIC SERVICE ENTERPRISES

WATER WORKS

Construction General

Appropriation brought forward from 1911		$4,101 19
Additional appropriation		28,000 00
		$32,101 19
EXPENDED		
For labor, as per payroll	$15,163 99	
Labor, on meters, as per payroll	805 25	
Teaming, on meters, as per payroll	48 00	
Advertising	13 50	
Boxes	44 02	
Automobile hire	10 00	
Car tickets	25 00	
Cement	5 25	
Drain	1 34	
Expressage and freight	10 38	
Gates and valves	767 30	
Hydrants	290 00	
Lead	393 95	
Lumber	22 87	
Oil	6 30	
Pipe, castings, etc.	10,834 65	
Rubber clothing	18 00	
Teaming	164 00	
Tools and miscellaneous supplies	36 42	
Meters	2,504 21	
Total		31,164 43
Balance of appropriation		$936 76

Subway Construction

Appropriation, brought forward from 1911		$10,150 93
EXPENDED		
For labor, as per payroll	$6,190 97	
Advertising	15 25	
Car tickets	25 00	
Expressage	13 03	
Gates and gate boxes	551 25	
Hydrants	290 00	
Lead	944 22	
Meters	50 00	
Pipe, castings, etc.	2,030 10	
Teaming	24 00	
Tools and miscellaneous supplies	13 46	
Total		10,147 28
Balance of appropriation		$3 65

Public Service Enterprises—Continued

Hobbs Brook Conduit

Appropriation, brought forward from 1911		$635 39
Additional appropriation		6,000 00
		$6,635 39

EXPENDED

For examining titles and legal services:	$125 00	
Land and damage:		
Abraham L. Howard	4,000 00	
Rent of land in Bemis during building of pipe line	25 00	
Total		4,150 00
Balance of appropriation		$2,485 39

Maintenance, Salaries of Superintendent, Registrar, Inspectors and Clerks

Appropriation		$14,624 00

EXPENDED

For salaries of:		
Superintendent	$2,200 00	
Registrar and Clerk of Water Board	2,500 00	
Inspectors	5,322 50	
Clerks	4,755 29	
Total		14,777 79
Excess of expenditure over appropriation		$153 79
Transfer from Pumping, General Expenses		153 79

Maintenance, General and Reservoirs

Appropriations			$57,282 00

DEPARTMENT RECEIPTS CARRIED TO CREDIT OF WATER WORKS

For water rates		$356,383 18	
Miscellaneous bills:			
Maintenance	$1,022 30		
Off and on	510 75		
Rent	66 00		
Seals	45 00		
Supply	8,877 97		
Refund on bill	7 49		
		10,529 51	
		$366,912 69	
Amount carried forward			$57,282 00

Public Service Enterprises—Continued

WATER WORKS, MAINTENANCE, GENERAL AND RESERVOIRS—Continued

Amount brought forward			$57,282 00
EXPENDED			
For labor, as per payrolls		$26,773 30	
Labor on meters		225 01	
Services of electrical expert		200 00	
Analysis of water		15 00	
Advertising		13 50	
Automobile supplies and repairs		197 13	
Automobile registration		5 00	
Boots and rubber goods		15 34	
Boxes and gate chamber		55 43	
Carriage and wagon repairs		69 64	
Carriage hire		204 00	
Car tickets		350 00	
Cement and clay		4 00	
Conduit repairs in Watertown		1 55	
Damage from leak in pipe:			
Miss Mary Drurney		5 50	
Damage (execution) to persons from collision of two automobiles, one of which was driven by Supt. E. C. Brooks while on duty:			
Faith L. Bryden		1,750 00	
Drain pipe		4 35	
Electrical supplies		53 67	
Entertainment of City Government and inspections by Board:			
Automobile hire	$407 00		
Dinners, etc.	259 58		
		666 58	
Expressage and freight		96 10	
Fountain repairs, etc.		175 59	
Fuel		75 38	
Grain and straw		703 05	
Hardware, tools and miscellaneous supplies		630 27	
Harness and repairs		167 25	
Horses (two new horses)		325 00	
Horseshoeing and clipping		397 23	
Hydrant repairs		97 14	
Ice for yard		5 03	
Lighting buildings at yard		19 18	
Lumber		89 59	
Meter chamber at Blake Pump Works		45 45	
Meter repairs		963 13	
Moth extermination in Watertown		10 97	
Motor service		43 15	
Office expenses and telephones:			
Addressograph supplies	$24 98		
Desk and chair	42 50		
Amounts carried forward	$67 48	$34,452 51	$57,282 00

Public Service Enterprises—Continued

WATER WORKS, MAINTENANCE, GENERAL AND RESERVOIRS—Continued

Amounts brought forward	$67 48	$34,452 51		$57,282 00
Directories	10 00			
Newspapers and periodicals	9 34			
Stationery, printing, etc.	842 90			
Telephone service	166 51			
Typewriter	99 00			
		1,195 23		
Oil, gasoline, packing, soap, etc.		131 09		
Painting and glazing		62 23		
Pipe and fittings		5,580 77		
Recording deeds		3 09		
Repairs on buildings		4 75		
Sealing weights		3 78		
Sinking Fund expenses:				
Salary of treasurer	$200 00			
Rent of safe deposit box	40 00			
		240 00		
Street repairs		259 39		
Taxes and moth assessments:				
City of Waltham	$603 28			
Town of Belmont	305 69			
Town of Lexington	250 75			
Town of Lincoln	162 31			
Town of Watertown	257 60			
Town of Weston	22 60			
		1,602 23		
Teaming, as per payroll		3 00		
Wagon (new)		150 00		
			$43,688 07	
Fresh Pond Reservoir:				
Labor, as per payroll	$7,567 65			
Advertising	22 75			
Auctioneer's services	10 00			
Bicycle repairs	14 75			
Boat	25 60			
Boat repairs	1 92			
Building repairs	54 60			
Expressage and freight	1 33			
Fence repairs	97 91			
Germicide	80			
Grain	79 75			
Hardware, tools and miscellaneous supplies	12 85			
Horseshoeing	12 46			
Harness and repairs	9 50			
Painting	39 81			
Sanitary repairs	12 15			
Signs	8 00			
Teaming, as per payroll	82 50			
			8,054 33	
Hobbs Brook Reservoir:				
Salary of keeper		$782 14		
Automobile hire		8 00		
Amounts carried forward		$790 14	$51,742 40	$57,282 00

Public Service Enterprises—Continued

WATER WORKS, MAINTENANCE, GENERAL AND RESERVOIRS—Continued

Amounts brought forward		$790 14	$51,742 40	$57,282 00
Fuel		9 25		
Grain		27 12		
Horseshoeing		25 75		
Inspector		240 00		
Labor, haying		15 00		
Lumber		31 02		
Repairs to building:				
Carpenter	$226 78			
Heating and plumbing repairs	6 21			
		232 99		
Telephone service		36 75		
Tools and miscellaneous supplies		24 02		
Water supply for keeper's house		275 81		
			1,707 85	
Payson Park Reservoir:				
Salary of keeper		$834 29		
Labor, as per payroll		98 00		
Fuel		7 25		
Hardware		3 30		
			942 84	
Stony Brook Reservoir:				
For salary of keeper		$912 50		
Labor, as per payroll		407 75		
Cesspool and vault cleaning		917 70		
Cement		5 50		
Fuel		12 30		
Grain		27 68		
Horseshoeing		43 20		
Hose		73 71		
Inspector		200 00		
Lumber		15 90		
Permit to empty sewage		50 00		
Screen repairs		47 25		
Storage of wagon		22 50		
Record book		10 25		
Telephone service		52 00		
Tools and miscellaneous supplies		33 73		
Transportation		4 85		
Wagon repairs		29 09		
Water rates, Waltham		19 00		
Teaming and labor		4 00		
			2,888 91	
Total				57,282 00

Grading for Playgrounds

Appropriation	$1,344 00
Amount carried forward	$1,344 00

Public Service Enterprises—Continued

WATER WORKS, MAINTENANCE, GENERAL AND RESERVOIRS—Continued

Amount brought forward		$1,344 00
EXPENDED		
For labor, as per payroll	$696 25	
Carting ashes	260 40	
Catch-basin	10 90	
Cement	5 25	
Fountain	81 74	
Lumber	6 79	
Sewer pipe	12 72	
Teaming	201 50	
Use of steam roller	3 00	
Total		1,278 55
Balance of appropriation relinquished		$65 45

Maintenance, Pumping, Salaries and Labor

Appropriation			$9,100 00
EXPENDED			
For salaries of:			
Engineer	$1,573 45		
Assistant engineers	1,620 86		
		$3,194 31	
Labor, as per payroll		6,569 79	
Total			9,764 10
Excess of expenditure over appropriation			$664 10
Transfer from general expenses, pumping			800 00
Balance of appropriation relinquished			$135 90

General Expenses

Appropriation		$13,862 00
EXPENDED		
For advertising	$9 25	
Barrels	13 33	
Brooms, brushes, etc.	6 11	
Disinfectant	3 75	
Electrical work and supplies	98 12	
Engine and boiler supplies and repairs	716 45	
Fire extinguisher	39 40	
Inspection of boilers	20 00	
Amounts carried forward	$906 41	$13,862 00

Public Service Enterprises—Continued

WATER WORKS, MAINTENANCE, GENERAL AND RESERVOIRS—Concluded

Amounts brought forward		$906 41	$13,862 00
Expressage and freight		13 90	
Fuel		9,295 95	
Ice		19 55	
Lumber		1 60	
Oil, waste and packing		878 96	
Repairs to range, house		5 56	
Repairs to heating and plumbing		26 28	
Repairs to pumping station:			
Building arches	$41 00		
Mason work on boilers	18 40		
Roof repairs	16 84		
		76 24	
Reporting hearings in case of suspended employee		208 30	
Sealing weights		1 89	
Soap		13 66	
Screens		6 72	
Telephone service		57 73	
Tools and miscellaneous supplies		45 63	
Total			11,557 38
Surplus of appropriation			$2,304 62
Transfer to Pumping Salaries		$800 00	
Transfer to Maintenance Salaries		153 79	
			953 79
Balance of appropriation relinquished			$1,350 83

ICE FOR FOUNTAINS

Appropriation		$800 00
EXPENDED		
For ice	$734 20	
Total		734 20
Surplus of appropriation relinquished		$65 80

SERIAL LOAN

Appropriation		$12,500 00
EXPENDED		
To redeeem matured bond	$12,500 00	
Total		12,500 00

Public Service Enterprises—Continued

WATER WORKS—Concluded

SERVICES OF CITY TREASURER AND CITY SOLICITOR

Appropriation		$2,500 00
EXPENDED		
For services of City Treasurer in collection of water rates, etc.	$1,500 00	
Services of City Solicitor	1,000 00	
Total		2,500 00

ABATEMENTS AND REFUNDS

Appropriation		$3,500 00
EXPENDED		
For abatements, as per registrar's certificates	$1,741 44	
Refunds, as per registrar's certificates	775 35	
Total		2,516 79
Surplus of appropriation relinquished		$983 21

STUDY OF WATER SUPPLY

Appropriation		$4,303 93
EXPENDED		
For services of engineers, as per pay-roll	$1,396 25	
Carfares and railroad transportation	87 19	
Carriage hire	20 00	
Lumber	14 34	
Miscellaneous supplies	3 05	
Telephone service	95	
Tracing water shed	10 00	
Services of expert	2,250 00	
Total		3,781 78
Surplus of appropriation relinquished		$522 15

CEMETERIES

CAMBRIDGE CEMETERY

Salaries and Labor

Appropriation			$16,450 00

EXPENDED

For salaries of:			
Superintendent	$2,000 00		
Clerk	1,100 00		
Clerk of Board	75 00		
Foreman	1,200 00		
		$4,375 00	
Labor, as per payroll		11,999 92	
Total			16,374 92
Balance transferred to Reserve Fund			$75 08

General Expenses

Appropriation			$2,109 00

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

For brick and slate graves	$787 15
Burials	3,160 00
Care of lots	2,379 50
Chapel	30 00
Foundations	999 96
Repairs	363 20
Rent of house	65 00
Sundries	72 50
Supplies	21 00
Interest on perpetual care fund	3,235 32
Sale of lots and graves	11,574 75
	$22,688 38

EXPENDED

For commissioners' and office expenses:		
Advertising	$5 00	
Carriage and automobile hire	30 00	
Car tickets	20 00	
Directory	4 00	
Fuel	98 50	
Gas	7 99	
Luncheon	19 70	
Stationery, printing, etc.	177 37	
Telephone service	63 03	
Amounts carried forward	$425 59	$2,109 00

Cemeteries—Concluded

CAMBRIDGE CEMETERY, GENERAL EXPENSES—Concluded

Amounts brought forward:	$425 59	$2,109 00
Building fence, Harvard Sq. Burying ground	12 50	
Bricks	96 25	
Cement	101 21	
Cremation boxes	30 00	
Decorating monument	20 00	
Fertilizer	140 19	
Flower pots	19 75	
Harness repairs	1 25	
Hay, grain and straw	118 74	
Heater for greenhouse	87 19	
Hemlock boughs	10 00	
Horseshoeing	28 00	
Hose and attachments	83 20	
Lawnmowers and repairs	93 29	
Lumber	140 63	
Overalls and coats	18 00	
Pipe	36 75	
Plants, seeds, etc.	237 05	
Slate	52 67	
Sods	44 69	
Teaming	9 00	
Tools and miscellaneous supplies	281 84	
Use of horse and caravan	19 50	
Total		2,107 29
Balance transferred to Reserve Fund		$1 71

Office Building and Grading

Appropriation		$8,000 00

EXPENDED

For labor, as per payroll	$3,595 31	
Advertising	39 73	
Carriage hire	10 00	
Cement	48 00	
Drainage	276 57	
Tools and miscellaneous supplies	24 17	
Wheelbarrows	33 00	
Total		4,026 78
Balance of appropriation		$3,973 22

ADMINISTRATION OF INVESTED FUNDS

SINKING FUND EXPENSES

Appropriation		$365 00

EXPENDED

For salary of Treasurer of Sinking Funds	$300 00	
Clerk of Sinking Fund Commissioners	25 00	
Rent of safe deposit box	40 00	
Total		365 00

INTEREST

Appropriation			$314,571 75

DEPARTMENT RECEIPTS CARRIED TO GENERAL TREASURY

Interest on bank deposits:		
Cambridge Trust Co		$1,869 76
Central Trust Co		1,412 02
Charles River National Bank		1,286 52
Harvard Trust Co		3,265 61
Lechmere National Bank		740 54
Liberty Trust Co		163 11
Interest on overdue taxes		8,334 21
Interest on sidewalk assessments		95 88
Interest on advance payment to S. F. Commission		326 00
Accrued interest on bonds:		
Park	$31 38	
Playgrounds	81 09	
Schoolhouse	12 90	
Sewer	111 91	
Cambridge Bridge	18 47	
Municipal	98 11	
Street	442 73	
Cemetery	30 00	
Charles River Basin	49 68	
Hospital	46 18	
		950 60
		$18,416 10

EXPENDED

For interest on loans in anticipation of taxes		$3,927 62	
Interest on trust funds:			
Sanders Temperance Fund	$600 00		
Daniel White Charity	300 00		
Dowse Fund	600 00		
		1,500 00	
Amounts carried forward		$5,427 62	$314,571 75

Interest—Concluded

Amounts brought forward		$5,427 62	$314,571 75
Interest on bonds:			
Street loans	$41,389 25		
Cambridge Bridge loan	56,435 00		
Harvard Bridge loans	15,760 00		
Commercial Avenue Bridge loans	2,000 00		
Cambridge Bridge special loans	3,605 00		
Clay Land loans	2,645 00		
Schoolhouse loans	41,647 00		
Sewer loans	39,525 00		
Public Library loan	945 00		
Hospital loan	4,810 00		
Metropolitan Park Assessment loan	1,610 00		
Park loans	59,765 50		
Playgrounds loan	2,700 00		
Cemetery loans	140 00		
Miscellaneous building and city loans	33,377 50		
		306,354 25	
Total			311,781 87
Balance of appropriation transferred to Reserve Fund			$2,789 88

INTEREST ON WATER LOAN

Appropriation		$124,502 75
EXPENDED		
For interest on water loan	$122,522 75	
Surrendered to water surplus	1,980 00	
Total		124,502 75

SINKING FUNDS

BROOKLINE BRIDGE

Amount of Fund, March 31, 1911	$1,402 17	
Interest, 1911	52 44	
Appropriation for 1911	333 33	
Amount of Fund, March 31, 1912		$1,787 94

CAMBRIDGE BRIDGE

Amount of Fund, March 31, 1911	$149,619 41	
Interest, 1911	5,595 76	
Appropriation for 1911	11,943 75	
Amount of Fund, March 31, 1912		$167,158 92

CAMBRIDGE BRIDGE SPECIAL

Amount of Fund, March 31, 1911	$4,014 14	
Interest, 1911	150 12	
Appropriation for 1911	616 00	
Amount of Fund, March 31, 1912		$4,780 26

COMMERCIAL AVENUE BRIDGE

Amount of Fund, March 31, 1911	$2,804 36	
Interest, 1911	104 88	
Appropriation for 1911	666 67	
Amount of Fund, March 31, 1912		$3,575 91

HARVARD BRIDGE

Amount of Fund, March 31, 1911	$256,685 45	
Interest, 1911	9,600 03	
Appropriation for 1911	8,800 00	
Amount of Fund, March 31, 1912		$275,085 48

CITY OF CAMBRIDGE, ACTS OF 1908

Amount of Fund, March 31, 1911	$73,088 10	
Interest, 1911	2,733 49	
Appropriation for 1911	36,000 00	
Amount of Fund, March 31, 1912		$111,821 59

CLAY LANDS

Amount of Fund, March 31, 1911	$82,834 06	
Bond maturing, 1911	50,000 00	
	$32,834 06	
Interest, 1911	1,227 99	
Appropriation for 1911	5,335 00	
Amount of Fund, March 31, 1912		$39,397 05

HOSPITAL

Amount of Fund, March 31, 1911	$3,540 46	
Interest, 1911	132 41	
Appropriation for 1911	4,537 50	
Amount of Fund, March 31, 1912		$8,210 37

METROPOLITAN PARK ASSESSMENT

Amount of Fund, March 31, 1911	$9,075 72	
Interest, 1911	339 43	
Appropriation for 1911	1,012 00	
Amount of Fund, March 31, 1912		$10,427.15

PARK

Amount of Fund, March 31, 1911	$383,139 59	
Interest, 1911	14,329 42	
Appropriation for 1911	25,490 65	
Amount of Fund, March 31, 1912		$422,959 66

PLAYGROUNDS

Appropriation for 1911	$1,100 00	
Amount of Fund, March 31, 1912		$1,100 00

IMPROVED SEWERAGE

Amount of Fund, March 31, 1911	$85,283 30	
Interest, 1911	3,189 59	
Appropriation for 1911	8,778 00	
Amount of Fund, March 31, 1912		$97,250 89

SEPARATE SYSTEM OF DRAINAGE

Amount of Fund, March 31, 1911	$14,527 14	
Interest, 1911	543 31	
Appropriation for 1911	4,884 00	
Amount of Fund, March 31, 1912		$19,954 45

GENERAL

Amount of Fund, March 31, 1911	$787,748 96	
Interest and earnings, 1911	46,857 21	
Appropriation for 1911	128,492 38	
	$963,098 55	

EXPENDED

For matured bonds	51,000 00	
Amount of Fund, March 31, 1912		$912,098 55

COMMISSIONERS OF SINKING FUNDS

Amount of Funds, March 31, 1911		$2,111,262 86
Addition to Funds, April 1, 1911		175 21
		$2,111,438 07

RECEIVED

From City Treasurer, appropriations for 1911:		
Brookline Bridge	$333 33	
Cambridge Bridge	11,943 75	
Cambridge Bridge Special	616 00	
Commercial Avenue Bridge	666 67	
Harvard Bridge	8,800 00	
City of Cambridge, Acts of 1908	36,000 00	
Clay Lands	5,335 00	
Hospital	4,537 50	
Metropolitan Park Assessment	1,012 00	
Parks	25,490 65	
Playgrounds	1,100 00	
Improved Sewerage	8,778 00	
Separate System of Drainage	4,884 00	
General	128,492 38	
		237,989 28
Interest accumulations		83,680 87
		$2,433,108 22
For matured bonds:		
Clay Land Loan	$50,000 00	
Sewer Loan	15,000 00	
City Loan (for schoolhouses)	36,000 00	
		101,000 00
Amount of Funds, March 31, 1912		$2,332,108 22

WATER LOAN SINKING FUND

Amount of Fund, March 31, 1911	$1,569,009 49	
Interest accumulations, 1911	59,852 27	
Surplus, 1911	23,903 40	
Appropriation for 1911	104,097 50	
Amount of Fund, March 31, 1912		$1,756,862 66

SUMMARY OF APPROPRIATIONS AND EXPENDITURES TO APRIL 1, 1912.

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers from	Total Amount Appropriated	Total Amount Expended
GENERAL GOVERNMENT					
City Council Expenses	$5,000 00	$2,111 27		$7,111 27	$7,111 27
Clerk of Committees					
Salaries	4,100 00		20 00	4,080 00	4,080 00
Expenses	300 00	8 59		308 59	308 59
Executive Department					
Salaries	5,800 00			5,800 00	5,800 00
Expenses	1,000 00		429 53	570 47	570 47
Auditing Department					
Salaries	3,904 00	101 00		4,005 00	4,005 00
Expenses	250 00	150 73		400 73	400 73
Treasurer and Collector					
Salaries	11,210 00	283 40		11,493 40	11,493 40
Expenses	7,000 00		891 20	6,108 80	6,108 80
Assessors' Department					
Salaries	12,625 00		112 71	12,512 29	12,512 29
Expenses	1,600 00	112 71		1,712 71	1,712 71
Assessors' Plans	200 00		3 24	196 76	196 76
City Clerk's Department					
Salaries	7,207 68	250 00	41 47	7,416 21	7,416 21
Expenses	2,267 00		162 00	2,105 00	2,105 00
Classified Index	500 00		150 38	349 62	349 62
City Messenger's Department					
Salaries	1,807 00		39 50	1,767 50	1,767 50
Expenses	300 00	11 05		311 05	311 05
Postage and Stationery	1,700 00		74 50	1,625 50	1,625 50
Law Department					
Salaries	4,126 00			4,126 00	4,126 00
Expenses	700 00	85 83		785 83	785 83
Elections and Registrations					
City Clerk	10,221 00	300 00	166 66	10,354 34	10,354 34
Registrars of Voters	4,394 00	378 61		4,772 61	4,772 61
Polling Places	2,400 00	31 29		2,431 29	2,431 29
Engineering Department					
Salaries	9,000 00		519 03	8,480 97	8,480 97
Expenses	675 00	38 79		713 79	713 79
Superintendent and Inspector of Buildings					
Salaries	6,848 00		10 26	6,837 74	6,837 74
Expenses	1,175 00		19 29	1,155 71	1,155 71
Board of Appeal	50 00		29 00	21 00	21 00
Civil Service Labor Registration	350 00		21 30	328 70	328 70
Municipal Buildings					
Salaries	12,286 98	312 50	188 31	12,411 17	12,411 17
Expenses and Repairs	9,150 00		99 98	9,050 02	9,050 02
Administration of Sinking Funds	365 00			365 00	365 00
Amounts carried forward	$128,511 66	$4,175 77	$2,978 36	$129,709 07	$129,709 07

SUMMARY—APPROPRIATIONS AND EXPENDITURES TO APRIL 1, 1912—Continued.

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers from	Total Amount Appropriated	Total Amount Expended
Amounts brought forward	$128,511 66	$4,175 77	$2,978 36	$129,709 07	$129,709 07
PROTECTION OF LIFE AND PROPERTY					
Police Department					
Salaries	174,500 00	......	2,200 79	172,299 21	172,299 21
Expenses	6,910 00	......	6 83	6,903 17	6,903 17
Fire Department					
Salaries	117,962 17	474 88	......	118,437 05	118.437 05
Expenses	18,800 00	4,450 95	......	23,250 95	23,250 95
Fire and Police Telegraph and Inspection of Wires					
Salaries	10,666 50	28 00	......	10,694 50	10.694 50
Expenses	3.506 00	71 01	......	3,577 01	3,577 01
Fire Alarm Signal Box	......	900 00	......	900 00	900 00
Police Signal Boxes	......	150 00	150 00		
Police Signal System at Station 4	......	2,650 00	20 81	2,629 19	2,629 19
Militia: Use of Rifle Range and Transportation					
Troop C, M. V. M.	225 00	......	......	225 00	225 00
Headquarters, 8th Regiment	50 00	......	......	50 00	50 00
Company A, 8th Regiment	225 00	......	......	225 00	225 00
Company C, 8th Regiment	225 00	......	126 70	98 30	98 30
Company E, 8th Regiment	225 00	......	16 16	208 84	208 84
Company 6, C. C. A.	225 00	120 28	......	345 28	345 28
Armory, Troop C	711 00	49 50	......	760 50	760 50
Sealer of Weights and Measures					
Salaries	3,200 00	......	......	3,200 00	3,200 00
Expenses	481 00	......	217 23	263 77	263 77
Forestry					
Moth and Beetle Extermination	7,000 00	......	47	6,999 53	6,999 53
Shade Trees	5,440 00	......	40	5,439 60	5,439 60
Removal of Dead Trees	5,000 00	......	31	4,999 69	4,999 69
Night Watchman at High Schools	542 50	......	312 50	230 00	230 00
HEALTH AND SANITATION					
Health Department					
Salaries	11.500 00	3,700 00	466 97	14,733 03	14,733 03
General Expenses and Hospitals	39.125 68	......	325 40	38,800 28	38,800 28
Inspection of Milk and Vinegar	2.250 00	12 57	......	2,262 57	2,262 57
Modified Milk	1.200 00	12 40	......	1,212 40	1,212 40
Inspection of Animals	825 00	18 14	......	843 14	843 14
Sanitation					
Sewers, Maintenance	18.000 00	4,000 00	1 20	21,998 80	21,998 80
Refuse Collection and Disposal House Offal					
Labor	29.740 00	2,513 48	......	32,253 48	32,253 48
Expenses	9.430 00	......	......	9,430 00	9,430 00
Collection of Ashes	50.000 00	3,000 00	36	52,999 64	52,999 64
Incinerator, Maintenance	4.400 00	......	80 01	4,319 99	4.319 99
Street Cleaning (including Snow Removal)	45,500 00	3,612 63	......	49.112 63	49,112 63
Amounts carried forward	$696.376 51	$29,939 61	$6.904 50	$719.411 62	$719,411 62

APPROPRIATIONS AND EXPENDITURES TO APRIL 1, 1912—Continued.

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers from	Total Amount Appropriated	Total Amount Expended
Amounts brought forward	$696,376 51	$29,939 61	$6,904 50	$719,411 62	$719,411 62
HIGHWAYS AND BRIDGES					
Salaries—Superintendent of Streets and Clerks	7,332 00		90 77	7,241 23	7,241 23
Maintenance and Repairs	77,047 00	5,923 00	25	82,965 75	82,965 75
Horses	2,000 00		775 00	1,225 00	1,225 00
Crossings	2,260 00		232 43	2,027 57	2,027 57
Sidewalk Repairs	6,675 00	1,500 00	21	8,174 79	8,174 79
Grading and Macadamizing Washburn Avenue		1,400 00	445 87	954 13	954 13
Widening Mt. Auburn Street		600 00	100 10	499 90	499 90
Street Sprinkling	37,285 00		01	37,284 99	37,284 99
McNamee Square		400 00	13 46	386 54	386 54
Street Lighting					
Salaries	1,000 00			1,000 00	1,000 00
Expenses	80,450 00	1,500 00	351 21	81,598 79	81,598 79
Lighting Massachusetts Avenue		1,000 00	308 87	691 13	691 13
Street Department: Bridges	8,175 00		500 14	7,674 86	7,674 86
Motors for Sixth Street Bridge	500 00		14	499 86	499 86
Boston and Cambridge Bridges					
Salaries and Labor	11,082 00	295 81		11,377 81	11,377 81
Expenses	6,560 00		15 24	6,544 76	6,544 76
Repairing Bolyston Street Bridge	1,100 00		111 91	988 09	988 09
Repairing Harvard Bridge	2,500 00	400 00	165 69	2,734 31	2,734 31
CHARITIES					
City Farm					
Labor	3,585 00		8 32	3,576 68	3,576 68
Expenses	1,100 00			1,100 00	1,100 00
City Home					
Salaries	7,100 00	92 24		7,192 24	7,192 24
Expenses	14,000 00	1,500 00	1 72	15,498 28	15,498 28
City Home Hospital					
Salaries	950 00	57 00		1,007 00	1,007 00
Expenses	700 00		32	699 68	699 68
Out-door Relief					
Salaries	4,090 00	5 42		4,095 42	4,095 42
Expenses	23,010 00	1,460 37		24,470 37	24,470 37
City Physician	2,000 00			2,000 00	2,000 00
SOLDIERS' BENEFITS	28,300 00		1,435 74	26,864 86	26,864 26
EDUCATION					
School Committee Expenditures	535,737 56			541,927 74	
Salaries	6,190 18				465,718 81
Other Expenses					76,208 93
LIBRARIES AND READING ROOMS					
Central Library					
Salaries	13,504 00		30 19	13,473 81	13,473 81
General Expenses	9,773 00	30 00	12	9,802 88	9,802 88
East Cambridge Branch					
Salaries	1,207 00	100 00	40 05	1,266 95	1,266 95
Expenses	1,560 00	40 00	40 15	1,559 85	1,559 85
North Cambridge Branch					
Salaries	1,595 00	39 85		1,634 85	1,634 85
Expenses	1,650 00		29	1,649 71	1,649 71
Amounts carried forward	$1,596,394 25	$46,283 30	$11,532 70	$1,631,104 85	$1,631,104 85

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1912—Continued.

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers from	Total Amount Appropriated	Expended to Date	Balances Unexpended
Amounts brought forward	$1,596,394 25	$46,383 03	$11,532 70	$1,631,104 85	$1,631,104 85	....
RECREATION						
Park Maintenance						
Salaries	2,600 00	....	9 54	2,590 46	2,590 46	
General Account	1,350 47	200 00	432 44	1,118 03	1,118 03	....
Cambridge Field and Shelter	5,755 00	100 00	03	5,854 97	5,854 97	....
Commons, Squares and Public Grounds	4,250 04	200 00	11	4,449 93	4,449 93	....
Longfellow Memorial Park..	250 00	3 26	....	253 26	253 26	....
Rindge Field and Shelter...	3,787 41	....	25	3,787 16	3,787 16	....
River Parkway	7,143 85	....	3 33	7,140 52	7,140 52	....
Placing Curb—Pleasant St...	225 00	....	07	224 93	224 93	....
Bath House, Captains' Island	1,700 00	....	23	1,699 77	1,699 77	....
Gun Carriages	....	150 00	....	150 00	150 00	....
Playgrounds Commission						
Celebrations						
Salaries	....	3,500 00	447 22	3,052 78	3,052 78	....
Expenses		947 22	4 34	942 88	942 88	....
Independence Day	800 00	400 00	1 19	1,198 81	1,198 81	....
Labor Day	400 00	....	....	400 00	400 00	....
Memorial Day	1,200 00	....	....	1,200 00	1,200 00	....
CEMETERIES						
Salaries and Labor	16,450 00	....	75 08	16,374 92	16,374 92	....
General Expenses	2,109 00	....	1 71	2,107 29	2,107 29	....
INTEREST	314,571 75	....	2,789 88	311,781 87	311,781 87	....
SINKING FUNDS	237,989 28	....	....	237,989 28	237,989 28	....
UNCLASSIFIED						
Reserve Fund	39,000 00	9,857 12	47,374 54	1,482 58	....	$1,482 58
Damages to Persons and Personal Property	2,000 00	86 97	....	2,086 97	2,086 97	....
Industrial Commission	....	1,200 00	515 21	684 79	684 79	....
Carnival Week	....	300 00	....	300 00	300 00	....
Total for Revenue Accounts	$2,237,976 05	$63,227 87	$63,227 87	$2,237,976 05	$2,236,493 47	$1,482 58

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1912—Continued

TITLES OF ACCOUNTS	Appropriations	Additional Appropriations and Transfers to	Transfers from	Total Amount Appropriated	Expended to Date	Balances Unexpended
MUNICIPAL INDUSTRIES						
Water Works						
Salaries of Superintendent, Registrar, Inspectors and Clerks	$14,624 00	$153 79		$14,779 79	$14,777 79	
General Expenses and Reservoirs	57,282 00			57,282 00	57,282 00	
Grading for Playgrounds	1,344 00			1,344 00	1,278 55	65 45
Pumping						
Salaries and Labor	9,100 00	800 00		9,900 00	9,764 10	135 90
Expenses	13,862 00		$953 79	12,908 21	11,557 38	1,350 83
Services of City Treasurer and City Solicitor	2,500 00			2,500 00	2,500 00	
Ice for Fountains	800 00			800 00	734 20	65 80
Interest	124,502 75			124,502 75	122,522 75	1,980 00
Sinking Fund	104,097 50			104,097 50	104,097 50	
Serial Loan	12,500 00			12,500 00	12,500 00	
Abatements and Refunds	3,500 00			3,500 00	2,516 79	983 21
Study of Water Supply	4,303 93			4,303 93	3,781 78	522 15
Total for Municipal Industries	$348,416 18	$953 79	$953 79	$348,416 18	$343,312 84	$5,103 34

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1912—Continued.

TITLES OF ACCOUNTS	Estimated Receipts	Receipts from Loans	Other Special Receipts	Amounts Reappropriated	New Appropriations	Total Appropriations	Expended to Date	Balances Unexpended
SPECIAL FUNDS AND LOAN ACCOUNTS								
GENERAL GOVERNMENT								
Fireproof Vaults, City Hall				$3,236 10		$3,236 10	$2,337 58	$898 52
HEALTH AND SANITATION								
Addition to Hospital	$4,000 00	$4,000 00		4,000 00	$4,000 00	8,000 00	4,891 38	3,108 62
Hospital for Contagious Diseases				95,098 45		95,098 45	2,584 42	92,514 03
Sewers								
Construction General Subway Construction	10,000 00	10,000 00	$3,434 06	9,043 88	10,000 00	19,043 88	13,418 25	5,625 63
Separate System of Drainage Subway Construction	25,000 00	20,000 00		742 24	25,000 00	25,742 24	21,148 79	4,593 45
HIGHWAYS AND BRIDGES								
Rebuilding and Construction Streets								
Land Damages	22,000 00	22,000 00		69 07	22,000 00	22,069 07	17,603 94	4,465 13
Commercial Avenue	45,000 00	45,000 00			45,000 00	45,000 00	43,566 77	1,433 23
Sundry Streets								
Hadley Street				414 97		414 97	410 81	4 16
Otis Street				38 02		38 02		38 02
Broadway, Hancock to Prospect	20,000 00	20,000 00			20,000 00	20,000 00	18,369 23	1,630 77
Mt. Auburn Street, Sparks Street to Coolidge Avenue	30,000 00	30,000 00			30,000 00	30,000 00	27,879 19	2,120 81
Ames Street, between Amherst and Main Streets				1 08		1 08		1 08
Boylston Street	9,300 00				9,300 00	9,300 00	9,300 00	
Erie Street				1,150 38		1,150 38	1,150 38	
Prospect Street and Putnam Avenue and Massachusetts Avenue	5,000 00	5,000 00		5,475 47	5,000 00	10,475 47	8,769 55	1,705 92
Edgestones and Sidewalks	25,000 00	13,000 00	7,879 39	21	25,000 00	25,000 21	24,999 93	28
Incinerator at Raymond Street	5,500 00	5,500 00			5,500 00	5,500 00	2,222 63	3,277 37
Repairing and Rebuilding Streets Account Subway			8,427 50	8,427 50		8,427 50	7,166 07	1,261 43
Bridges								
Cambridge Bridge	10,000 00	10,000 00		4,135 07	10,000 00	14,135 07	11,088 82	3,042 25
Commercial Avenue Bridge				2,107 50		2,107 50	632 17	1,475 33
Charles River Dam Assessment	60,000 00	60,000 00			60,000 00	60,000 00	60,000 00	
EDUCATION								
Thorndike Schoolhouse				112,563 55		112,563 55	66,879 37	45,684 18
Land at Russell School	2,500 00	2,500 00			2,500 00	2,500 00	2,500 00	
New Wing, High and Latin Schools				5,000 00		5,000 00	1,000 00	4,000 00
Amounts carried forward	$273,300 00	$247,000 00	$19,740 95	$251,503 49	$273,300 00	$524,803 49	$347,919 68	$176,884 21

SUMMARY—APPROPRIATIONS AND EXPENDITURES, APRIL 1, 1912—Concluded.

TITLES OF ACCOUNTS	Estimated Receipts	Receipts from Loans	Other Special Receipts	Amounts Reappropriated	New Appropriations	Total Appropriations	Expended to Date	Balances Unexpended
Amounts brought forward	$273,300 00	$247,000 00	$19,740 95	$251,503 49	$273,300 00	$524,803 49	$347,919 68	$176,884 21
RECREATION								
Park Department								
Construction and Lands	....	....	....	12,341 49	....	12,306 49	12,341 46	03
Construction—"Delta" at Cambridge Bridge	....	....	....	927 83	....	927 83	927 83	....
Granolithic Walks	1,700 00	1,700 00	....	63 90	1,700 00	1,763 90	1,651 60	112 30
Completion of Rindge Field	....	....	....	6 73	....	6 73	....	6 73
Floating Baths	4,500 00	4,500 00	....	....	4,500 00	4,500 00	1,023 28	3,476 72
Riverside Boat Club	7,000 00	7,000 00	....	....	7,000 00	7,000 00	7,000 00	....
Shower Baths and Heating Apparatus, Rindge Field Shelter	....	....	....	415 37	....	415 37	415 37	....
Land for Playgrounds	45,000 00	45,000 00	....	....	45,000 00	45,000 00	40,635 00	4,365 00
Construction and Equipment of Playgrounds	25,000 00	25,000 00	....	....	25,000 00	25,000 00	5,616 91	19,383 09
CEMETERY								
Office Building and Grading	8,000 00	8,000 00	....	....	8,000 00	8,000 00	4,026 78	3,973 22
MUNICIPAL INDUSTRIES								
Water Department								
Construction General	24,000 00	24,000 00	1,575 48	4,101 19	28,000 00	32,101 19	31,164 43	936 76
Subway Construction	....	....	13,666 76	10,150 93	....	10,150 93	10,147 28	3 65
Hobbs Brook Conduit	10,000 00	10 000 00	90 00	635 39	6,635 39	6,635 39	4,150 00	2,485 39
UNCLASSIFIED								
Premium Account	....	....	1,405 02	....	....	....	....	....
Sale Public Lands	....	....	1,500 00	....	....	....	....	....
Totals for Special Fund Accounts	$398,500 00	$372,200 00	$37,978 21	$280,146 32	$398,500 00	$678,646 32	$467,019 22	$211,627 10

SCHEDULE B

Nos. I to VII

ASSETS AND LIABILITIES

SCHEDULE B-I

March 31, 1912

ASSETS		LIABILITIES	
Current Assets (B-II)	$414,591 35	Current Liabilities (B-II)	$18,917 61
Contingent Assets (B-III)	86,319 73	Contingent Liabilities (B-III)	21,165 83
Trust Funds and Special Deposits (B-IV)	119,966 22	Trust Liabilities (B-IV)	119,966 22
Sinking Funds (B-V)	3,903,970 88	Bonded Debt (B-V)	11,541,350 00
Total Available Assets	$4,524,848 18	Total Liabilities	$11,701,399 66
Fixed Assets (Unavailable B-VI)	16,141,848 58	General Deficit and Surplus Account (B-VII)	8,965,297 10
Grand Total of Assets	$20,666,696 76	Grand Total of Liabilities and Surplus	$20,666,696 76

SCHEDULE B-II

CURRENT ASSETS

CASH:		
Cash in the Treasury March 31, 1912		$152,669 94
GOOD ACCOUNTS RECEIVABLE:		
Delinquent Property Taxes	$233,908 73	
Other good accounts:		
Moth Assessments	285 96	
Sewer Assessments	1,265 62	
Sidewalk Assessments	6,353 09	
Street Watering Assessments	3,495 85	
Water Department Rates, etc	12,881 80	
Miscellaneous Bills	3,730 36	
Total Good Accounts Receivable		261,921 41
Total Current Assets		$414,591 35

CURRENT LIABILITIES

(Floating Debts)

1. OUTSTANDING ACCOUNTS DUE AND UNPAID:		
Of the current year		
Land damages		
Of previous years		
Tax sale surplus	$461 07	
2. OUTSTANDING ACCOUNTS NOT DUE:		
Other Accounts, Miscellaneous Bills	18,456 54	
Total Current Liabilities		18,917 61
Surplus of Current Assets (B-VII)		$395,673 74

SCHEDULE B-III

CONTINGENT ASSETS

DOUBTFUL ACCOUNTS RECEIVABLE:

Delinquent Personal Property and Poll Taxes, viz.:		
1907	$24,777 29	
1908	25,433 20	
1909	30,565 00	
Liens	2,201 48	
		$82,976 97
Other doubtful accounts, viz.:		
Miscellaneous Bills		3,342 76
Total Contingent Assets		$86,319 73

CONTINGENT LIABILITIES

RETENTION FUND ACCOUNT:

Percentage of Contractors' payments retained, viz.:		
Carlisle & O'Connor	$600 00	
Joseph M. Dolan	2,755 00	
J. J. Hurley & Co	4,888 00	
Jarvis Engineering Co	3,275 00	
William H. Jellison	1,281 08	
Isaac W. MacArthur	5,186 75	
William H. Mitchell & Son Co	3,180 00	
		21,165 83
Surplus of Contingent Assets (B-VII)		$65,153 90

SCHEDULE B-IV

TRUST FUND ASSETS

CASH IN TRUST FUNDS:

Special Deposits, etc., viz.:		
Bridge Charitable Fund	$2,515 30	
Sarah E. Russell Fund	814 41	
William E. Saunders Fund	486 85	
Citizens' Subscription Fund	8 19	
Cummings Legacy	34 07	
Fay Legacy	11 95	
James A. Woolson Fund	71 07	
Edward H. Whorf Fund	225 52	
Total Cash in Trust Funds		$4,167 36

INVESTMENT OF TRUST FUNDS:

Stocks and Bonds in various Funds, viz.:		
Cemetery Fund	$91,298 86	
Cummings Legacy	2,000 00	
Fay Legacy	1,000 00	
Citizens' Subscription Fund	5,500 00	
William E. Saunders Fund	7,000 00	
James A. Woolson Fund	5,000 00	
Edward H. Whorf Fund	3,000 00	
William Penn Harding Fund	1,000 00	
		115,798 96
Total Assets in Trust Funds		$119,966 22

LIABILITIES

Other Trust Funds and Special Funds, viz.:		
Cemetery Fund Account	$91,298 86	
Bridge Charitable Fund	2,515 30	
Citizens' Subscription Fund	5,508 19	
Cummings Legacy	2,034 07	
Fay Legacy	1,011 95	
Sarah E. Russell Fund	814 41	
William E. Saunders Fund	7,486 85	
James A. Woolson Fund	5,071 07	
Edward H. Whorf Fund	3,225 52	
William Penn Harding Fund	1,000 00	
Total Liabilities		$119,966 22

SCHEDULE B-V

SINKING FUND ASSETS

INVESTMENT OF SINKING FUNDS:		
Bonds and Other Securities, viz.: (Per list in report of Sinking Funds Commissioners)		$3,903,970 88

BONDED DEBTS OF THE CITY

1. GENERAL BONDS:		
a. For General Municipal Purposes: Funded City Debt	$8,457,250 00	
b. For Municipal Enterprises: Water Works	3,084,100 00	
2. SPECIAL ASSESSMENT BONDS:		
Total of Bonded Debts		11,541,350 00
Excess of Debts (Net Bonded Debt. See B-VII)		$7,637,379 12

SCHEDULE B-VI

FIXED ASSETS

LAND, BUILDINGS AND EQUIPMENT:

Law Department, Equipment		$275 00
City Buildings:		
Land	$135,700 00	
Buildings	335,300 00	
Equipment	41,336 00	
		512,336 00
Police Department, Equipment		5,283 75
Fire Department:		
Land	$49,600 00	
Buildings	158,500 00	
Equipment	95,669 00	
		303,769 00
Fire and Police Telegraph, Equipment		45,260 00
Health Department:		
Land	$14,600 00	
Buildings	15,900 00	
Equipment	5,226 25	
		35,726 25
Inspection of Milk and Vinegar, Equipment		1,369 86
Cemeteries:		
Land	$92,000 00	
Buildings	6,000 00	
Equipment	3,500 00	
		101,500 00
Sealer of Weights and Measures, Equipment		2,143 25
City Home:		
Land	$47,150 00	
Buildings	28,200 00	
Equipment	20,050 00	
		95,400 00
Street Department (Stables, etc.):		
Land	$119,300 00	
Buildings	66,500 00	
Equipment	272,805 53	
		458 605 53
Engineering Department, Equipment		124,823 00

Schedule B-VI—Concluded

Sewer Department (Stables, etc.):		
Land	$5,900 00	
Buildings	5,600 00	
Equipment	4,405 00	
		$15,905 00
Street Lighting, Equipment		4,875 00
Bridge Department, Equipment		2,390 00
Water Works (See Report Water Dept.)		6,547,505 02
Schools:		
Land	376,900 00	
Buildings	1,834,700 00	
Equipment	190,837 16	
		2,402,437 16
Library:		
Land	$85,000 00	
Buildings	145,000 00	
Equipment	91,575 00	
		321,575 00
Parks:		
Land	$5,381,441 68	
Buildings	122,100 00	
Equipment	3,600 00	
		5,507,141 68
Playgrounds		94,790 94
Other land not included in any of the Department Schedules		23,600 00
Total Fixed Assets (See B-VII)		$16,141,848 58

SCHEDULE B-VII

GENERAL DEFICIT AND SURPLUS ACCOUNT

DEFICITS

*Deficit of Current Assets (B-II), if any........		
†Deficit of Contingent Assets (B-III), if any.....		
†Deficit of Trust Funds Assets (B-IV), if any....		
†Deficit of Sinking Funds Assets (B-V), viz.:		
Net Bonded Debt..........................	$7,637,379 12	
Total of all Deficits.............................		$7,637,379 12

SURPLUS

*Surplus of Current Assets (B-II), if any.......	$395,673 74	
†Surplus of Contingent Assets (B-III), if any...	65,153 90	
†Surplus of Trust Funds (B-IV), if any.........		
†Surplus of Sinking Funds (B-V), if any........		
Total Surplus, excluding Fixed Assets‡...........		$460,827 64
Excess of Deficits, viz.:		
Total Net Debts of the City..................		$7,176,551 48

BALANCE

Total of Fixed Assets:		
Land, Buildings, Equipments (B-VI)........	$16,141,848 58	
Deduct Total Net Debts of the City, as above....	7,176,551 48	
Balance of this Account, General Surplus (B-I)		$8,965,297 10

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*Balance of Schedule B-II will appear under *one* or the *other* of these heads.
†Balance of other schedules, B-III, etc., will appear in like manner.
‡Fixed Assets are set up by themselves under "Balance." (See above.)

SCHEDULE B

No. VIII

CITY FUNDED DEBT

AND

MISCELLANEOUS TABLES

CITY FUNDED DEBT

There have been additions to the City Funded Debt during the year as follows:

Park Loan, registered and coupon bonds payable in forty years, at an annual interest of three and one-half per cent.	
For the purpose of paying for property purchased, taken or held for a public park or esplanade as authorized by Chapter 341 of the Acts of 1892, Chapter 337, Acts of 1893, and Acts in amendment thereof and in addition thereto, and also for defraying the expenses of construction of such park or esplanade and for any purpose incident to the protection, enlargement or advancement of a public park or esplanade in said City of Cambridge, as authorized by Chapter 221 of the Acts of the year 1899..............	$13,200 00
Schoolhouse Loan, coupon bonds payable in twenty years, at an annual interest of three and one-half per cent.	
For the purpose of acquiring land adjacent to the Russell Schoolhouse, and for paying all expenses incident thereto as authorized by Chapter 27 of the Revised Laws.........	2,500 00
Sewer Loans, registered and coupon bonds payable in thirty years at an annual interest of three and one-half and four per cent.	
For the purpose of constructing sewers, as authorized by Chapter 383 of the Acts of 1903..........................	20,000 00
For the purpose of constructing sewers, as authorized by Chapter 27 of the Revised Laws.......................	10,000 00
Street Loan, registered bonds payable in twenty years, at an annual interest of three and one-half per cent.	
For the purpose of the "construction of a permanent character" of accepted highways, streets and ways, under authority conferred by Chapter 482 of the Acts of 1910. Commercial avenue	53,000 00
Street Loan, coupon bonds payable in ten years, at an annual interest of three and one-half and four per cent.	
For the purpose of construction of certain new streets and for the rebuilding of sundry streets, as authorized by Section 11 of Chapter 27 of the Revised Laws. Construction of Prospect street, Broadway, Mt. Auburn street, incinerator at Raymond street, and land damages............	87,500 00
Hospital Loan, coupon bonds payable in twenty years, at an annual interest of four per cent.	
For the purpose of defraying the cost of the erection and establishment of one or more hospitals for the reception of persons having a disease dangerous to the public health, and of constructing, equipping and maintaining such hospitals, and paying all expenses incident thereto, as authorized by Chapter 99 of the Legislative Acts of 1895	29,000 00
Cambridge Bridge Loan, registered and coupon bonds payable in forty years, at an annual interest of four per cent.	
For the purpose of the construction of the Cambridge Bridge and its approaches, and for other purposes, as authorized under the provisions of Chapter 467 of the Legislative Acts of 1898	20,000 00

City Loan, coupon bonds payable in ten years, at an annual interest of three and one-half per cent. For the purpose of constructing and equipping Playgrounds	25,000 00
Playgrounds Loan, registered and coupon bonds, payable in thirty years at an annual interest of three and one-half per cent. For the purpose of acquiring land for Public Playgrounds, as authorized by Chapter 27 of the Revised Laws and amendments thereto	45,000 00
Cemetery Loan, registered bonds payable in ten years, at an annual interest of three and one-half per cent. For the purpose of erecting new office building and grading a portion of land at Cambridge Cemetery..................	8,000 00
Charles River Basin Assessment Loan. Coupon bonds, payable in ten years at an annual interest of four per cent. For the purpose of paying Charles River Basin Assessment to Commonwealth, as provided in Chapter 463, Acts of 1911	60,000 00
	$373,200 00

The following matured bonds have been paid:

Clay Lands Loan, registered bonds issued July 1, 1896, at an annual interest of four per cent.	$50,000 00	
Sewer Loan, coupon bonds issued July 1, 1891, at an annual interest of four per cent.	15,000 00	
Schoolhouse Loan, registered bonds issued November 1, 1901, at an annual interest of three and one-half per cent.	30,000 00	
City Loan, registered bonds issued November 1, 1901, at an annual interest of three and one-half per cent.	6,000 00	
		101,000 00
Net increase		$272,200 00

	April 1, 1911	April 1, 1912	Increase	Decrease
Funded City Debt	$8,185,050 00	$8,457,250 00	$272,200 00	
Sinking Funds	2,111,262 86	2,332,108 22	220,845 36	
Net Funded City Debt....	$6,073,787 14	$6,125,141 78	$51,354 64	

The following is a statement of the total funded debt of the City, with the rates of interest thereon:—

HARVARD BRIDGE LOAN.

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total.
Oct. 1, 1887 R.....	4 per cent.—30 yrs.	Oct. 1, 1917.. ...	$10,000 00	
July 1, 1888 C.....	4 " —30 "	July 1, 1918.. ...	100,000 00	
Sept. 1, 1888 C.....	4 " —30 "	Sept. 1, 1918.. ...	100,000 00	
Mar. 1, 1889 C.....	4 " —30 "	Mar. 1, 1919.. ...	115,000 00	
Nov. 1, 1890 R.....	4 " —30 "	Nov. 1, 1920.. ...	5,000 00	
July 1, 1891 R.&C.	4 " —30 "	July 1, 1921.. ...	60,000 00	
Aug. 1, 1893 C.....	4 " —30 "	Aug. 1, 1923.. ...	10,000 00	$400,000 00

Amount carried forward.................................. $400,000 00

Amount brought forward.. $400,000 00

CAMBRIDGE BRIDGE LOAN.

July 1, 1899 R.....	3½ per cent.—40 yrs.	July 1, 1939.. ...	$50,000 00	
July 2, 1900 R.....	3½ “ —40 “	July 2, 1940.. ...	100,000 00	
Feb. 1, 1901 R.....	3 “ —40 “	Feb. 1, 1941.. ...	100,000 00	
Nov. 1, 1901 R.....	3½ “ —40 “	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R. & C.	3½ “ —40 “	July 1, 1942.. ...	100,000 00	
Jan. 1, 1903 R.....	3½ “ —40 “	Jan. 1, 1943.. ...	50,000 00	
Apr. 1, 1903 R.....	3½ “ —40 “	Apr. 1, 1943.. ...	50,000 00	
Aug. 1, 1903 C.....	3½ “ —40 “	Aug. 1, 1943.. ...	50,000 00	
Jan. 1, 1904 R.....	3½ “ —40 “	Jan. 1, 1944.. ...	100,000 00	
May 1, 1904 R. & C.	3½ “ —40 “	May 1, 1944.. ...	200,000 00	
Aug. 1, 1904 R.....	3½ “ —40 “	Aug. 1, 1944.. ...	100,000 00	
Sept. 1, 1904 R.....	3½ “ —40 “	Sept. 1, 1944.. ...	50,000 00	
May 1, 1905 R.....	3½ “ —40 “	May 1, 1945.. ...	150,000 00	
Dec. 1, 1905 R.....	3½ “ —40 “	Dec. 1, 1945.. ...	100,000 00	
Aug. 1, 1906 R.....	4 “ —40 “	Aug. 1, 1946.. ...	150,000 00	
Jan. 1, 1907 R.....	4 “ —40 “	Jan. 1, 1947.. ...	50,000 00	
July 1, 1907 C.....	4 “ —40 “	July 1, 1947.. ...	40,000 00	
Oct. 1, 1907 C.....	4 “ —40 “	Oct. 1, 1947.. ...	15,000 00	
Aug. 1, 1908 R.....	4 “ —40 “	Aug. 1, 1948.......	45,000 00	
July 1, 1910 R.....	4 “ —40 “	July 1, 1950.. ...	20,000 00	
Dec. 1, 1911 C.....	3½ “ —40 “	Dec. 1, 1951......	10,000 00	
Mar. 1, 1912 C.....	3½ “ —40 “	Mar. 1, 1952......	10,000 00	$1,640,000 00

BROOKLINE BRIDGE LOAN.

Jan. 1, 1906	3½ per cent.—40 yrs.	Jan. 1, 1946.. ...	$20,000 00	
Sept. 1, 1906	4 “ —40 “	Sept. 1, 1946.. ...	5,000 00	$25,000 00

COMMERCIAL AVENUE BRIDGE.

Aug. 1, 1906	4 per cent.—40 yrs.	Aug. 1, 1946.. ...		$50,000 00

BUILDING LOAN.

Aug. 1, 1894 R. & C.	4 per cent.—20 yrs.	Aug. 1, 1914.. ...	$37,000 00	
Oct. 1, 1895 R.....	4 “ —20 “	Oct. 1, 1915.. ...	25,000 00	
Oct. 1, 1896 R.....	4 “ —20 “	Oct. 1, 1916.. ...	60,000 00	
Apr. 1, 1903 R.....	3½ “ —20 “	Apr. 1, 1923.. ...	3,000 00	
Apr. 1, 1904 C.....	3½ “ —20 “	Apr. 1, 1924.. ...	25,000 00	
May 1, 1904 R.....	3½ “ —20 “	May 1, 1924.. ...	5,000 00	
Sept. 1, 1907 R.....	4 “ —20 “	Sept. 1, 1927.. ...	30,000 00	$185,000 00

CAMBRIDGE BRIDGE SPECIAL LOAN.

(Charles River Dam.)

May 1, 1904 R.....	3½ per cent.—30 yrs.	May 1, 1934.. ...		$28,000 00

CITY LOAN.

July 1, 1902 R.....	3½ per cent.—10 yrs.	July 1, 1912.. ...	14,000 00	
Nov. 1, 1902 R.....	3½ “ —10 “	Nov. 1, 1912.. ...	20,000 00	
July 1, 1910 R.....	4 “ —10 “	July 1, 1920.....	8,000 00	$42,000 00

CITY OF CAMBRIDGE, ACTS OF 1908—LOAN.

May 1, 1908 R. & C.	4 per cent.—10 yrs.	May 1, 1918.. ...		$400,000 00

Amount carried forward $2,770,000 00

CITY FUNDED DEBT—Continued

Amount brought forward $2,770,000 00

CLAY LAND LOAN.

Nov. 1, 1897 R.....	3½ per cent.—15 yrs.	Nov. 1, 1912.. ...	20,000 00	
Aug. 1, 1898 R.....	3½ " —15 "	Aug. 1, 1913.. ...	10,000 00	
July 1, 1899 R.....	3½ " —15 "	July 1, 1914.. ...	17,000 00	$47,000 00

HOSPITAL LOAN.

Aug. 1, 1908 R.....	3½ per cent.—20 yrs.	July 1, 1922.. ...	$6,000 00	
July 1, 1902 R.....	4 " —20 "	Aug. 1, 1928.. ...	20,000 00	
July 1, 1910 C.....	4 " —20 "	July 1, 1930.....	95,000 00	
Dec. 1, 1911 R.....	3½ " —20 "	Dec. 1, 1931.....	4,000 00	
Mar. 1, 1912 C.....	3½ " —20 "	Mar. 1, 1932.....	25,000 00	$150,000 00

METROPOLITAN PARK ASSESSMENT LOAN.

Aug. 1, 1902 R.....	3½ per cent.—30 yrs.	Aug. 1, 1932.. ...		$46,000 00

PARK LOAN.

Feb. 1, 1894 R. & C.	4 per cent.—30 yrs.	Feb. 1, 1924.. ...	$360,000 00	
Aug. 1, 1895 R.....	4 " —40 "	Aug. 1, 1935.. ...	100,000 00	
Feb. 1, 1896 R.....	4 " —40 "	Feb. 1, 1936.. ...	100,000 00	
Aug. 1, 1896 R.....	4 " —30 "	Aug. 1, 1926.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —30 "	Oct. 1, 1926.. ...	40,000 00	
Sept. 1, 1897 R.....	3½ " —40 "	Sept. 1, 1937.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —40 "	Nov. 1, 1937.. ...	50,000 00	
June 1, 1898 R.....	3½ " —40 "	June 1, 1938.. ...	50,000 00	
Aug. 1, 1898 R.....	3½ " —40 "	Aug. 1, 1938.. ...	100,000 00	
Aug. 1, 1899 R.....	3½ " —40 "	Aug. 1, 1939.. ...	100,000 00	
July 2, 1900 R.....	3½ " —40 "	July 2, 1940.. ...	50,000 00	
Nov. 1, 1900 R.....	3½ " —40 "	Nov. 1, 1940.. ...	50,000 00	
Nov. 1, 1901 R.....	3½ " —40 "	Nov. 1, 1941.. ...	100,000 00	
July 1, 1902 R.....	3½ " —40 "	July 1, 1942.. ...	48,000 00	
Apr. 1, 1903 R.....	3½ " —40 "	Apr. 1, 1943.. ...	50,000 00	
Sept. 1, 1904 R.....	3½ " —40 "	Sept. 1, 1944.. ...	25,000 00	
Nov. 1, 1904 R.....	3½ " —40 "	Nov. 1, 1944.. ...	6,000 00	
Apr. 1, 1905 R.....	3½ " —40 "	Apr. 1, 1945.. ...	5,000 00	
May 1, 1905 R.....	3½ " —40 "	May 1, 1945.. ...	45,000 00	
Aug. 1, 1905 R.....	3½ " —40 "	Aug. 1, 1945.. ...	5,000 00	
Sept. 1, 1906 R.....	4 " —40 "	Sept. 1, 1946.. ...	25,000 00	
Oct. 1, 1907 R.....	4 " —40 "	Oct. 1, 1947.. ...	10,000 00	
Aug. 1, 1908 R.....	4 " —40 "	Nov. 1, 1948.. ...	30,000 00	
Nov. 1, 1908 R.....	4 " —40 "	Nov. 1, 1948.. ...	12,000 00	
Jan. 1, 1910 R.....	3½ " —40 "	Jan. 1, 1950.. ...	8,800 00	
Mar. 1, 1911 R.....	3½ " —40 "	Mar. 1, 1951.. ...	17,000 00	
July 1, 1911 R....	3½ " —10 "	July 1, 1951.. ...	7,000 00	
Dec. 1, 1911 R. & C.	3½ " —40 "	Dec. 1, 1951.. ...	6,200 00	$1,600,000 00

PUBLIC LIBRARY LOAN.

Nov. 1, 1901 R.....	3½ per cent.—20 yrs.	Nov. 1, 1921.. ...		$27,000 00

Amount carried forward.............................. $4,640,000 00

CITY FUNDED DEBT—Continued

Amount brought forward.................................... $4,640,000 00

SCHOOLHOUSE LOAN.

Aug. 1, 1894 R. & C.	4	per cent.—20 yrs.	Aug. 1, 1914.. ...	$81,000 00	
Oct. 1, 1895 R.....	4	" —20 "	Oct. 1, 1915.. ...	35,000 00	
July 1, 1896 R.....	4	" —20 "	July 1, 1916.. ...	10,000 00	
Oct. 1, 1896 R.....	4	" —20 "	Oct. 1, 1916.. ...	33,000 00	
Oct. 1, 1896 R.....	4	" —20 "	Oct. 1, 1916.. ...	6,000 00	
July 1, 1897 R.....	3½	" —20 "	July 1, 1917.. ...	100,000 00	
May 2, 1898 R.....	3½	" —20 "	May 2, 1918.. ...	100,000 00	
June 1, 1898 R.....	3½	" —20 "	June 1, 1918.. ...	50,000 00	
Aug. 1, 1898 R.....	3½	" —20 "	Aug. 1, 1918.. ...	142,000 00	
July 1, 1899 R.....	3½	" —20 "	July 1, 1919.. ...	42,000 00	
Nov. 1, 1899 R.....	3½	" —20 "	Nov. 1, 1919.. ...	13,000 00	
July 1, 1901 R.....	3½	" —20 "	July 1, 1921.. ...	76,000 00	
July 1, 1902 R.....	3½	" —20 "	July 1, 1922.. ...	86,500 00	
Oct. 1, 1902 R.....	3½	" —20 "	Oct. 1, 1922.. ...	11,000 00	
Oct. 1, 1903 R.....	3½	" —20 "	Oct. 1, 1923.. ...	80,000 00	
Apr. 1, 1904 C.....	3½	" —20 "	Apr. 1, 1924.. ...	80,000 00	
Nov. 1, 1904 R.....	3½	" —20 "	Nov. 1, 1924.. ...	20,000 00	
Nov. 1, 1904 R.....	3½	" —20 "	Nov. 1, 1924.. ...	6,000 00	
May 1, 1905 R.....	3½	" —20 "	May 1, 1925.. ...	20,950 00	
Aug. 1, 1905 R.....	3½	" —20 "	Aug. 1, 1925.. ...	20,000 00	
Aug. 1, 1906 R.....	4	" —20 "	Aug. 1, 1926.. ...	33,000 00	
Nov. 1, 1906 R.....	4	" —20 "	Nov. 1, 1926.. ...	14,000 00	
Dec. 1, 1908 R.....	3½	" —20 "	Dec. 1, 1928.. ...	40,000 00	
Jan. 1, 1910 R. & C.	3½	" —20 "	Jan. 1, 1930.....	93,500 00	
July 1, 1910 R.....	4	" —20 "	July 1, 1930.....	120,000 00	
Mar. 1, 1911 R.....	3½	" —20 "	Mar. 1, 1931.....	5,000 00	
Mar. 1, 1912 C......	3½	" —20 "	Mar. 1, 1932......	2,500 00	$1,320,450 00

SEWER LOAN. (Construction General.)

Aug. 1, 1894 R. & C.	4	per cent.—30 yrs.	Aug. 1, 1924.. ...	75,000 00	
Oct. 1, 1895 R.....	4	" —30 "	Oct. 1, 1925.. ...	60,000 00	
Oct. 1, 1896 R.....	4	" —20 "	Oct. 1, 1916.. ...	75,000 00	
Aug. 1, 1901 R.....	3½	" —30 "	Aug. 1, 1931.. ...	10,000 00	
Oct. 1, 1903 R.....	3½	" —30 "	Oct. 1, 1933.. ...	20,000 00	
May 1, 1904 R.....	3½	" —30 "	May 1, 1934.. ...	40,000 00	
Nov. 1, 1904 R.....	3½	" —30 "	Nov. 1, 1934.. ...	5,000 00	
May 1, 1905 R.....	3½	" —30 "	May 1, 1935.. ...	15,000 00	
May 1, 1906 R.....	4	" —30 "	May 1, 1936.. ...	10,000 00	
Apr. 1, 1907 R.....	4	" —30 "	Apr. 1, 1937.. ...	35,000 00	
Dec. 1, 1908 R.....	4	" —30 "	Dec. 1, 1938.. ...	5,000 00	
Jan. 1, 1910 R. & C.	3½	" —30 "	Jan. 1, 1940.....	23,000 00	
July 1, 1910 R.....	4	" —30 "	July 1, 1940.....	15,000 00	
Mar. 1, 1911 R.....	3½	" —30 "	Mar. 1, 1941.....	10,000 00	
July 1, 1911 R......	3½	" —30 "	July 1, 1941......	10,000 00	$408,000 00

SEWER LOAN. (Improved Sewerage.)

Nov. 1, 1899 R.....	3½	per cent.—30 yrs.	Nov. 1, 1929.. ...	$42,000 00	
July 2, 1900 R.....	3½	" —30 "	July 2, 1930.. ...	100,000 00	
Aug. 1, 1901 R.....	3½	" —30 "	Aug. 1, 1931.. ...	100,000 00	
Nov. 1, 1902 R.....	3½	" —30 "	Nov. 1, 1932.. ...	20,000 00	
Apr. 1, 1903 R.....	3½	" —30 "	Apr. 1, 1933.. ...	40,000 00	
May 1, 1904 R.....	3½	" —30 "	May 1, 1934.. ...	47,000 00	
May 1, 1905 R.....	3½	" —30 "	May 1, 1935.. ...	50,000 00	$399,000 00

Amount carried forward.................................... $6,767,450 00

CITY FUNDED DEBT—Continued

Amount brought forward.................................... $6,767,450 00

SEWER LOAN. (Separate System of Drainage.)

May 1, 1904 R.....	3½ per cent.—30 yrs.	May 1, 1934.. ...	$25,000 00	
May 1, 1905 R.....	3½ “ —30 “	May 1, 1935.. ...	25,000 00	
May 1, 1906 R.....	4 “ —30 “	May 1, 1936.. ...	25,000 00	
Sept. 1, 1906 R.....	4 “ —30 “	Sept. 1, 1936.. ...	25,000 00	
Apr. 1, 1907 R.....	4 “ —30 “	Apr. 1, 1937.. ...	25,000 00	
Nov. 1, 1907 R.....	4 “ —30 “	Nov. 1, 1937.. ...	10,000 00	
Aug. 1, 1908 R.....	4 “ —30 “	Aug. 1, 1938.. ...	25,000 00	
Dec. 1, 1908 R.....	4 “ —30 “	Dec. 1, 1938.. ...	12,000 00	
July 1, 1909 R.....	3½ “ —30 “	July 1, 1939.......	2,000 00	
Jan. 1, 1910 C.....	3½ “ —30 “	Jan. 1, 1940	23,000 00	
July 1, 1910 R.....	4 “ —30 “	July 1, 1940.......	25,000 00	
July 1, 1911 R......	3½ “ —30 “	Mar. 1, 1941.......	10,000 00	
Dec. 1, 1911 C......	3½ “ —30 “	Dec. 1, 1941......	10,000 00	$242,000 00

STREET LOAN.

Aug. 1, 1894 C.....	4 per cent.—20 yrs.	Aug. 1, 1914.. ...	$30,000 00	
Oct. 1, 1895 R.....	4 “ —20 “	Oct. 1, 1915.. ...	60,000 00	
Oct. 1, 1896 R.....	4 “ —20 “	Oct. 1, 1916.. ...	137,000 00	
May 2, 1898 R.....	3½ “ —20 “	May 2, 1918.. ...	15,000 00	
Nov. 1, 1899 R.....	3½ “ —20 “	Nov. 1, 1919.. ...	5,000 00	
Nov. 1, 1900 R.....	3½ “ —20 “	Nov. 1, 1920.. ...	21,000 00	
July 1, 1901 R.....	3½ “ —20 “	July 1, 1921.. ...	54,000 00	
July 1, 1902 R.....	3½ “ —20 “	July 1, 1922.. ...	30,000 00	
July 1, 1902 R.....	3½ “ —10 “	July 1, 1912.. ...	24,000 00	
Nov. 1, 1902 R.....	3½ “ —20 “	Nov. 1, 1922.. ...	14,000 00	
Apr. 1, 1903 R.....	3½ “ —20 “	Apr. 1, 1923.. ...	4,000 00	
Nov. 2, 1903 R.....	3½ “ —20 “	Nov. 2, 1923.. ...	12,000 00	
Sept. 1, 1904 R.....	3½ “ —20 “	Sept. 1, 1924.. ...	59,000 00	
Nov. 1, 1904 R.....	3½ “ —20 “	Nov. 1, 1924.. ...	6,500 00	
May 1, 1905 R.....	3½ “ —20 “	May 1, 1925.. ...	84,000 00	
Nov. 1, 1905 R.....	3½ “ —20 “	Nov. 1, 1925.. ...	1,500 00	
May 1, 1906 R. & C.	4 “ —20 “	May 1, 1926.. ...	100,000 00	
Aug. 1, 1906 R.....	4 “ —20 “	Aug. 1, 1926.. ...	22,000 00	
Apr. 1, 1907 R.....	4 “ —20 “	Apr. 1, 1927.. ...	40,000 00	
June 1, 1907 R.....	4 “ —20 “	June 1, 1927.. ...	19,000 00	
Sept. 1, 1907 R.....	4 “ —20 “	Sept. 1, 1927.. ...	25,000 00	
Nov. 1, 1907 R.....	4 “ —20 “	Nov. 1, 1927.. ...	10,000 00	
Jan. 1, 1908 C.....	4 “ —20 “	Jan. 1, 1928.. ...	34,000 00	
Jan. 1, 1908 C.....	4 “ —10 “	Jan. 1, 1918.. ...	10,000 00	
June 1, 1908 R.....	4 “ —10 “	June 1, 1918.. ...	30,000 00	
Aug. 1, 1908 R.....	4 “ —10 “	Aug. 1, 1918.. ...	7,000 00	
Aug. 1, 1908 R.....	4 “ —20 “	Aug. 1, 1928.. ...	42,000 00	
Mar. 1, 1909 R.....	3½ “ —20 “	Mar. 1, 1929.. ...	20,000 00	
Jan. 1, 1910 R.....	3½ “ —10 “	Jan. 1, 1920.....	75,000 00	
Jan. 1, 1910 R. & C.	3½ “ —20 “	Jan. 1, 1930.....	13.500 00	
July 1, 1910 R.....	4 “ —20 “	July 1, 1930.....	12,000 00	
Mar. 1, 1911 R.....	3½ “ —20 “	Mar. 1, 1940.....	42,000 00	
Mar. 1, 1911 R.....	3½ “ —10 “	Mar. 1, 1921.....	60,800 00	
July 1, 1911 R......	3½ “ —20 “	July 1, 1931.....	53,000 00	
July 1, 1911 C......	3½ “ —10 “	July 1, 1921......	55,000 00	
Dec. 1, 1911 C......	4 “ —10 “	Dec. 1, 1921......	17,000 00	
Mar. 1, 1912 C......	3½ “ —10 “	Mar. 1, 1922......	15,500 00	$1,259,800 00

PLAYGROUND LOAN.

July 1, 1910 R.....	4 per cent.—20 yrs.	July 1, 1940.....		$95,000 00

Amount carried forward.................................... $8,364,250 00

CITY FUNDED DEBT—Continued

Amount brought forward....................................$8,364,250 00

PLAYGROUND CONSTRUCTION LOAN.

July 1, 1911 R......	3½ per cent.—10 yrs.	July 1, 1921......		$25,000 00

CHARLES RIVER BASIN ASSESSMENT LOAN.

Dec. 1, 1911 C......	4 per cent.—10 yrs	Dec. 1, 1921......		$60,000 00

CEMETERY LOAN.

July 1, 1911 R......	3½ per cent.—10 yrs.	July 1, 1921......		$8,000 00

Total Funded City Debt.................................... $8,457,250 00

CITY FUNDED DEBT—Continued

Following is a statement of the total Funded Water Debt of the City, with rates of interest thereon:—

Date of Issue.	Rate of Interest.	When Due.	Amount.	Total.
May 2, 1892 C.....	4 per cent.—20 yrs	May 2, 1912.. ...	75,000 00	
Nov. 1, 1892 C.....	4 " —20 "	Nov. 1, 1912.. ...	45,000 00	
Feb. 1, 1893 R.....	4 " —20 "	Feb. 1, 1913.. ...	100,000 00	
Aug. 1, 1893 R. & C.	4 " —20 "	Aug. 1, 1913.. ...	50,000 00	
Apr. 1, 1895 R.....	4 " —20 "	Apr. 1, 1915.. ...	200,000 00	
Aug. 1, 1895 R.....	4 " —20 "	Aug. 1, 1915.. ...	200,000 00	
Apr. 1, 1894 C.....	4 " —30 "	Apr. 1, 1924.. ...	300,000 00	
Apr. 1, 1896 R.....	4 " —20 "	Apr. 1, 1916.. ...	100,000 00	
July 1, 1896 R.....	4 " —20 "	July 1, 1916.. ...	200,000 00	
Aug. 1, 1896 R.....	4 " —20 "	Aug. 1, 1916.. ...	100,000 00	
Oct. 1, 1896 R.....	4 " —20 "	Oct. 1, 1916.. ...	265,100 00	
Apr. 1, 1897 R.....	3½ " —20 "	Apr. 1, 1917.. ...	200,000 00	
July 1, 1897 R.....	3½ " —20 "	July 1, 1917.. ...	100,000 00	
Nov. 1, 1897 R.....	3½ " —20 "	Nov. 1, 1917.. ...	75,000 00	
Dec. 1, 1897 R.....	3½ " —20 "	Dec. 1, 1917.. ...	140,000 00	
May 2, 1898 R.....	3½ " —20 "	May 2, 1918	50,000 00	
June 1, 1898 R.....	3½ " —20 "	June 1, 1918.. ...	60,000 00	
Nov. 1, 1898 R.....	3½ " —20 "	Nov. 1, 1918.. ...	50,000 00	
Nov. 1, 1899 R.....	3½ " —20 "	Nov. 1, 1919.. ...	23,000 00	
Nov. 1, 1900 R.....	3½ " —20 "	Nov. 1, 1920.. ...	30,000 00	
July 1, 1901 R.....	3½ " —20 "	July 1, 1921.. ...	30,000 00	
July 1, 1902 R.....	3½ " —20 "	July 1, 1922.. ...	13,500 00	
Nov. 1, 1902 R.....	3½ " —20 "	Nov. 1, 1922.. ...	5,000 00	
May 1, 1905 R.....	3½ " —20 "	May 1, 1925.. ...	46,000 00	
May 1, 1906 R. & C.	4 " —30 "	May 1, 1936.. ...	280,000 00	
June 1, 1907 R.....	4 " —30 "	June 1, 1937.. ...	49,000 00	
July 1, 1907 C.....	4 " —30 "	July 1, 1937.. ...	25,000 00	
June 1, 1908 R.....	4 " —20 "	June 1, 1928.. ...	20,000 00	
Aug. 1, 1908 R.....	4 " —30 "	Aug. 1, 1938.. ...	17,000 00	
Jan. 1, 1910 C.....	3½ " —20 "	Jan. 1, 1930.....	5,000 00	
Feb. 1, 1910 R.....	3½ " —20 "	Feb. 1, 1930.....	5,000 00	
Mar. 1, 1911 R.....	3½ " —30 "	Mar. 1, 1931.....	16,500 00	
Dec. 1, 1911 C......	3½ " —30 "	Dec. 1, 1941......	10,000 00	$2,885,100 00

SERIAL LOAN NO. 1

May 1, 1905 S.....	3½ per cent.— 7 yrs.	May 1, 1912.. ...	$12,500 00	
" 1, 1905 S.....	3½ " — 8 "	" 1, 1913.. ...	12,500 00	
" 1, 1905 S.....	3½ " — 9 "	" 1, 1914.. ...	12,500 00	
" 1, 1905 S.....	3½ " —10 "	" 1, 1915.. ...	12,500 00	
" 1, 1905 S.....	3½ " —11 "	" 1, 1916.. ...	12,500 00	
" 1, 1905 S.....	3½ " —12 "	" 1, 1917.. ...	12,500 00	
" 1, 1905 S.....	3½ " —13 "	" 1, 1918.. ...	12,500 00	
" 1, 1905 S.....	3½ " —14 "	" 1, 1919.. ...	12,500 00	
" 1, 1905 S.....	3½ " —15 "	" 1, 1920.. ...	12,500 00	
" 1, 1905 S.....	3½ " —16 "	" 1, 1921.. ...	12,500 00	
" 1, 1905 S.....	3½ " —17 "	" 1, 1922.. ...	12,500 00	
" 1, 1905 S.....	3½ " —18 "	" 1, 1923.. ...	12,500 00	
" 1, 1905 S.....	3½ " —19 "	" 1, 1924.. ...	12,500 00	
" 1, 1905 S.....	3½ " —20 "	" 1, 1925.. ...	12,500 00	$175,000 00

SERIAL LOAN NO. 2.

Dec. 1, 1911 S..... 3½ per cent. 1 to 24 years—

Maturing $1,000.00 December 1 each year, 1912 to 1935............... $24,000 00

Total Funded Water Debt $3,084,100 00

CITY FUNDED DEBT—Concluded

	April 1, 1911	April 1, 1912	Decrease	Increase
Funded Water Debt..........	$3,247,600 00	$3,084,100 00	$163,500 00	
Sinking Funds................	1,569,909 49	1,571,862 66		$1,953 17
Net Funded Water Debt.......	$1,677,590 51	$1,512,237 34	165,353 17	

RECAPITULATION

Amount of funded City Loan upon which interest is at 4 per cent..............................	$3,776,800 00	
Amount of funded City Loan upon which interest is at 3½ per cent..............................	4,580,450 00	
Amount of funded City Loan upon which interest is at 3 per cent..............................	100,000 00	
		$8,457,250 00
Amount of Water Loan upon which interest is at 4 per cent..............................	$2,026,100 00	
Amount of Water Loan upon which interest is at 3½ per cent..............................	1,058,000 00	
		$3,084,100 00

Temporary loans for the past ten years and interest upon the same:

Year.	Temporary Loan.	Interest paid upon Loan.	Year.	Temporary Loan.	Interest paid upon Loan.
1902............	$520,000	$8,337 76	1907............	$720,000	13,794 10
1903............	701,000	9,388 13	1908............	495,000	9,175 71
1904............	550,000	8,548 37	1909............	760,000	7,670 53
1905............	575,000	8,829 92	1910............	395,000	3,679 44
1906............	413,000	9,314 60	1911............	400,000	3,927,62

ANNUITIES AND TRUST FUNDS

[ACTS 1904, CHAPTER 322]

AN ACT TO PROVIDE FOR THE AUDITING OF CERTAIN TRUST FUNDS AND ACCOUNTS.

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property, the principal or income of which, in whole or in part, was bequeathed or given in trust for the benefit of the city or town or any part thereof, or for the benefit of the inhabitants of the city or town or any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen and treasurer of the town.

SECTION 2. It shall be the duty of the trustees designated in section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. [*Approved May* 9, 1904.]

Under the provisions of the foregoing Act, I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses and find them correct and in excellent condition.

Attest,

CHARLES H. THURSTON, *City Auditor*.

April 1, 1912.

ANNUITIES

	Original Gift.	Annual Payment
Daniel White Charity Annuity	$5,000	$300
Dowse Institute "	10,000	600
Sanders Temperance "	10,000	600
	$25,000	$1,500

DANIEL WHITE CHARITY ($10,360.00)

Established by Daniel White, of Charlestown, in his lifetime, for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, ex officio, to distribute not exceeding $300.00 per year. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added a bequest in cash and stocks to the value of $5,360.00, thus making the principal $10,360.00. The present permanent members are George S. Saunders, Lucas B. Grover, Willard A. Bullard and George H. Howard, and the fund is invested by the trustees.

THE DOWSE INSTITUTE ($10,000.00)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the City, on June 3, 1858, the sum of ten thousand dollars for an annual course of lectures, the City agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the Common Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

THE SANDERS TEMPERANCE ANNUITY ($10,000.00)

This sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor, President of the Board of Aldermen and President of the Common Council. The City pays a missionary $600.00 per year to carry out provisions of the will.

THE HOPKINS FUND (£500)

Edward Hopkins died in London, Eng., in 1657 or 1658, leaving £500 to be used upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College and a school in Cambridge. One-fourth of the net income is paid annually to the City for Classical instruction in the Latin School. The trustees are a corporation established in Boston.

Treasurer's Report of Hopkins Fund

Amount received by City Treasurer June 14, 1911		$1,566 99
Interest accumulations on deposit		26 62
		$1,593 61
Paid to School Department	$280 00	
Paid to Sylvester J. Redmond for prizes	100 00	
Paid to Mary T. Mernin	100 00	
Paid to Prince A. Wheeler	75 00	
Paid to Clifford Wood, Jr.	75 00	
Paid to Martha Noll	75 00	
	$705 00	
Balance March 31, 1912, Harvard Trust Co.	888 61	
		$1,593 61

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1912.

THE TRUST FUNDS.

CEMETERY FUND FOR PERPETUAL CARE OF LOTS

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registered bonds. First established in 1860.

Amount of Fund, March 31, 1911	$83,858 90	
Received in 1911, from proprietors of lots	6,917 97	
		$90,776 87
Invested as follows, viz.:		
City of Cambridge registered bonds	$89,750 00	
Deposited in Harvard Trust Co.	1,228 87	
		90,978 87
Interest received during the year ending March 31, 1912, and paid for care of lots		3,235 32

CEMETERY FUND: DEEDS IN TRUST

Held in trust by the City, comprsing sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The fund amounts to $202.00, and was first established March 11, 1901.

Included in investment of Perpetual Care Fund	$202 00

THE BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen, and the President of the Common Council.

The City Treasurer is Custodian of the Fund.

Amount of Fund March 12, 1908	$2,371 70
Interest to January 30, 1912	430 79
Total	$2,802 49
Two-thirds income paid to Overseers of the Poor	287 19
Balance deposited in Central Trust Co.	$2,515 30

Two-thirds of the income amounting to $287.19 was paid to the Overseers of the Poor, and the balance, $143.60, was added to the principal, leaving a balance of $2,515.30 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1912.

CITIZENS' SUBSCRIPTION FUND ($5,500 00)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new public library building was opened. The unexpended balance (fifty-five hundred dollars), was invested and the income is used for the same purpose.

Balance in bank, March 31, 1911	$1 80	
Receipts	300 04	
		$301 84
Expenditures		293 65
Balance on deposit		$8 19
The principal is invested in Cambridge Sewer Bonds, Nos. 47 and 1150		$5,500 00

CUMMINGS LEGACY ($2,000.00)

As provided in the will of Daniel P. Cummings, who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library, the annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

Balance on deposit, March 31, 1911	$7 65	
Receipts	70 00	
		$77 65
Expended		43 58
Balance on deposit		$34 07
The principal is invested in Cambridge Sewer Bonds, No. 1102		$2,000 00

FAY LEGACY ($1,000.00)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Public Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof appropriated to the purchase of books for said Library."

Balance on deposit, March 31, 1911	$15 07	
Receipts	35 00	
		$50 07
Expenditures		38 12
Balance on deposit		$11 95
The principal is invested in a Cambridge schoolhouse bond, No. 254		$1,000 00

WILLIAM E. SAUNDERS FUND ($7,483 38)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Saunders alcove, and for the care of the same. This alcove is assigned to books on genealogy.

Balance on deposit, March 31, 1911	$3 60	
Receipts	262 60	
		$266 20
Expenditures		262 73
Balance on deposit		$3 47
The principal is invested in Cambridge Bonds, Nos. 544 and 545		$7,000 00
Deposited in Cambridgeport Savings Bank		483 38
		$7,483 38

JAMES A. WOOLSON FUND ($5,000.00)

By the request of James A. Woolson the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

Balance on deposit, March 31, 1911	$22 63	
Receipts	175 00	
		$197 63
Expenditures		126 56
Balance on deposit		$71 07
The principal is invested in Cambridge Bond No. 701		$5,000 00

EDWARD H. WHORF FUND

Balance on deposit, March 31, 1911	$349 69	
Receipts	120 00	
		$469 69
Expenditures		244 17
Balance on deposit		$225 52
The principal is invested in three American Telephone and Telegraph Company bonds, Nos. 9755, 9756 and 9757		$3,000 00

WILLIAM PENN HARDING FUND

By a bequest to the City, on behalf of the Public Library, the sum of $1,000 in accordance with the will of William Penn Harding, the money was turned over to the City Treasurer. The annual income shall be paid to the Trustees of the Public Library and is to be expended in the purchase of recent books on science, art or travel of a popular and instructive character. Said bequest shall be designated the William Penn Harding Fund, which designation shall be printed in all books so purchased.

Treasurer's Report of the William Penn Harding Fund

May 10, 1911—Deposited in East Cambridge Savings Bank.....	$1,000 00
March 14, 1912—The interest on said fund, amounting to $20.00, was paid to the Trustees of the Public Library in accordance with the provisions of the gift.	
The passbook of the East Cambridge Savings Bank shows that on March 31, 1912, the amount on deposit was............	$1,000 00

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1912.

SARAH E. RUSSELL FUND ($814.41)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon. William E. Russell, both of whom served the City as Mayor.

Amount of deposit, March 31, 1911...............	$814 41
Interest to July 20, 1911..........................	28 74
	$843 15
Amount paid as per provision of bequest, December 23, 1911..................................	28 74
Balance in Cambridgeport Savings Bank, March 31, 1912	$814 41

Treasurer's Report of Sarah E. Russell Fund

The amount of the bequest was $814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to $28.74 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1912.

TAILINGS ACCOUNT TRUST FUND

This fund consists of various amounts of money due on payrolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same.

The amount of the Fund June 1, 1911, was	$2,736 06	
Interest on deposit to March 31, 1911	57 32	
Deposited March 30, 1912	351 37	
		$3,144 75
There has been paid out of the Fund during the year to sundry persons		4 20
March 31, 1912—Balance on deposit, Harvard Trust Company		$3,140 55

TIMOTHY W. GOOD, *City Treasurer.*

MATURED BOND ACCOUNT

This fund is set aside to meet payments on matured bonds which have not been presented within the financial year.

The amount of fund, June 1, 1911, was	$2,222 41
Interest accumulations to March 31, 1912	52 64
Deposit March 30, being amount due on bonds maturing January 1, 1912	3,000 00
Leaving amount of fund	$5,275 05

The above amount is on deposit at the Harvard Trust Company, Cambridge, Mass.

TIMOTHY W. GOOD, *City Treasurer.*

TAXES

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge 1, 1911, was as follows:

Valuation of real estate		$94,171,600 00
Valuation of personal estate		17,409,635 00
		$111,581,235 00
Assessed at $20.10 per $1,000 gives		$2,216,325 9130
26,810 polls at $2.00		53,620 00
Bank stock (non-resident separately assessed)		4,113 6635
		$2,274,086 5765
The tax is divided as follows:		
For city purposes*		$1,762,268 2765
Non-resident bank stock assessed separately		4,113 6635
Overlay		57,733 6665
		$1,824,115 7065
County Assessments		100,150 57
State Assessments:		
State	$156,860 00	
Sewerage	103,511 80	
Parks	58,868 86	
Charles River Basin	24,475 51	
Grade Crossings	2,240 00	
Alewife Brook	3,531 53	
Smoke Nuisance	332 60	
		349,820 30
		$2,274,086 5765
Increase in real estate valuation		$2,149,800 00
Decrease in personal valuation		1,365,300 00
		$784,500 00
Increase in number of polls since last year, 150 polls at $2		300 00
Gain in valuation since last year		$784,800 00
Number of houses in 1911		14,131⅓
Number of horses assessed		3,556
Number of cows assessed		59
Number of mules assessed		20

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*To meet the City expenses the income from various departments is added to this sum raised by taxation.

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past twenty years:

Year	Polls	Personal	Real Estate	Total	Dwellings	Rate per $1,000
1892	22,013	17,687,595	56,668,100	74,355,605	11,359	$15 00
1893	22,752	17,511,089	58,782,900	76,293,989	11,768	16 40
1894	22,172	16,658,320	60,877,300	77,535,620	12,262	15 80
1895	22,781	16,607,360	64,303,700	80,911,060	12,305	15 70
1896	23,847	15,914,995	67,835,100	83,750,095	12,723	15 10
1897	24,407	16,302,545	70,339,200	86,641,745	13,217	17 50
1898	24,628	16,642,990	72,908,100	89,551,090	13,473	16 40
1899	24,995	16,991,995	74,550,800	91,542;795	13,588	17 10
1900	25,117	17,865,230	76,600,700	94,465,930	13,713	16 90
1901	25,306	17,648,575	78,568,300	96,216,875	13,846½	16 90
1902	25,680	17,742,985	80,396,900	98,139,885	13,889 2-3	18 30
1903	25,749	17,708,510	87,063,400	104,771,910	13,833	16 90
1904	25,968	17,346,500	87,481,100	104,827,600	13,858	17 90
1905	26,696	15,994,100	87,851,500	103,845,600	13,893	19 00
1906	26,434	16,550,235	88,603,000	105,153,235	13,937½	18 60
1907	26,064	17,773,990	89,235,300	107,009,290	14,018 1-5	18 80
1908	25,815	16,854,775	90,026,300	106,881,075	13,969 5-6	20 10
1909	25,898	16,118,635	90,839,500	106,958,135	14,010 5-6	21 00
1910	26,660	18,774,935	92,021,800	110,796,735	13,150 1-3	20 10
1911	26,810	17,409,635	94,171,600	111,581,235	14,131 1-3	19 90

Abatements upon taxes for the past tweny years, and amount of tax uncollected March 31, 1912:

Year	Total Tax	Total Abatements	Amount of Tax uncollected March 31, 1912
1892	$1,240,186 50	$21,636 54	....
1893	1,303,639 84	24,678 10	....
1894	1,278,899 72	26,926 07	....
1895	1,324,613 76	19,427 40	....
1896	1,321,932 65	17,922 54	....
1897	1,574,047 50	22,081 73	....
1898	1,527,863 88	27,566 98	....
1899	1,623,592 35	35,317 61	....
1900	1,654,588 36	33,005 90	....
1901	1,683,690 84	24,390 38	....
1902	1,854,557 82	30,013 44	....
1903	1,828,456 95	41,525 33	....
1904	1,934,772 56	50,088 47	....
1905	2,031,457 20	48,886 73	....
1906	2,012,805 80	61,528 79	....
1907	2,038,170 44	63,352 34	$24,777 29
1908	2,204,263 62	53,233 20	25,433 20
1909	2,302,311 40	41,118 32	30,565 00
1910	2,283,435 10	38,523 82	49,836 59
1911	2,274,086 57	32,789 18	233,908 73

ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS

	Real	Personal	Polls	Total
Taxes, 1908	....	$10 05	$2 00	$12 05
Taxes, 1909	$118 70	....	2 00	120 70
Taxes, 1910	1,111 49	285 42	16 00	1,412 91
Taxes, 1911	19,265 16	11,086 31	892 00	31,243 47
Street Watering	....	....	....	149 04
Moth Assessment	....	....	....	12 79
Total	$20,495 35	$11,381 78	$912 00	$32,950 96

Showing an average valuation for the years 1909, 1910 and 1911 of $109,488,338.33.

The valuation of estates in this City, for the years 1909, 1910 and 1911, are the same as originally made by the Board of Assessors during those years and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements up to and including December 31, 1911:

Year	Total Valuations	Abatements	Net Valuation
1909	$108,524,135	$1,863,964	$106,660,171
1910	112,163,135	1,342,347	110,820,788
1911	112,169,356	1,185,300	110,984,056
	$332,856,626	$4,391,611	$328,465,015

BORROWING CAPACITY

The average net valuation of the City of Cambridge for the years 1909, 1910 and 1911 ....$109,488,338 33

This last sum represents the amount upon which the limit of the rate of taxation, and also of municipal indebtedness, is fixed under the provisions of Section 3 of Chapter 27 of the Revised Laws.

2½ per cent. on same is			$2,737,208 46
The entire City Debt is		$8,457,250 00	
Of this amount the following loans are not within the legal debt limit, being exempted by the following Acts of the Legislature:			
Cambridge Bridge Loan:			
Acts of 1898, Chapter 467	$1,640,000 00		
Brookline Bridge Approach:			
Acts of 1898, Chapter 467 Acts of 1904, Chapter 391	25,000 00		
Commercial Avenue Bridge:			
Acts of 1903, Chapter 372	50,000 00		
Cambridge Bridge Special Loan: Charles River Dam:			
Acts of 1904, Chapter 158	28,000 00		
Clay Land Loan:			
Acts of 1896, Chapter 175	47,000 00		
Harvard Bridge Loan:			
Acts of 1887, Chapter 282 Acts of 1888, Chapter 73 Acts of 1891, Chapter 316	400,000 00		
Park Loan:			
Acts of 1892, Chapter 341 Acts of 1893, Chapter 337 Acts of 1894, Chapter 89 Acts of 1897, Chapter 469 Acts of 1899, Chapter 221	1,600,000 00		
Sewer Loan:			
Acts of 1899, Chapter 473 Acts of 1899, Chapter 189	399,000 00		
Acts of 1903, Chapter 383	242,000 00		
Hospital Loan:			
Acts of 1895, Chapter 99	150,000 00		
Metropolitan Park Assessment Loan:			
Acts of 1902, Chapter 325	46,000 00		
City of Cambridge Loan:			
Acts of 1908, Chapter 367	400,000 00		
Playgrounds Loan R. L. Chap. 27, Sect. 11:	95,000 00		
Charles River Basin Assessment:			
Acts of 1911, Chapter 463	60,000 00		
		5,182,000 00	
		$3,275,250 00	
Amounts carried forward		$3,275,250 00	$2,737,208 46

Amounts brought forward			$3,275,250 00	$2,737,208 46
The entire Sinking Fund is		$2,332,108 22		
Of this amount there should be deducted on account of Exempted Loans as follows:				
Cambridge Bridge	$167,158 92			
Harvard Bridge	275,085 48			
Brookline Bridge	1,787 94			
Commercial Avenue Bridge	3,575 91			
Parks	422,959 66			
Clay Lands	39,397 05			
Improved Sewerage	97,250 89			
Hospital	8,210 37			
Metropolitan Park Assessment	10,427 15			
Cambridge Bridge Special	4,780 26			
Separate System of Drainage	19,954 45			
City of Cambridge, Acts 1908	111,821 59			
Cambridge Bridge, B. E. R.	257,500 00			
Playgrounds	1,100 00			
		1,421,009 67		
Net Sinking Fund			911,098 55	
Net City Debt, March 31, 1912				2,364,151 45
Borrowing capacity for City purposes, March 31, 1912				$373,057 01

SCHEDULE B

No. IX

LIST OF CITY PROPERTY

AS FURNISHED BY

Executive Boards and Heads of Departments

IN

1912

LAW DEPARTMENT

LOCATED AT CITY HALL OFFICE

1 rolltop desk and chair	$25 00
Revised Laws, Public Statutes, etc	15 00

LOCATED IN OFFICE IN BOSTON, ROOMS 541-2 TREMONT BUILDING

1 Smith Premiar typewriter	$40 00
1 typewriter desk	10 00
1 Lang document filing cabinet	10 00
1 blank filing cabinet	25 00
1 Yawman-Erbe filing cabinet	50 00
Massachusetts Digest, Dillon on Municipal Corporations, and other law books	100 00
	$275 00

PUBLIC PROPERTY DEPARTMENT

CITY BUILDINGS

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.	Valuation of Furniture
City Hall	47,878	1888	1888	$95,000	$200,000	$34,800
Brattle Sq. Bldg.	16,153	1873	1874	24,000	60,000	2,500
Central Sq. Bldg.	13,028	1872	1873	10,500	50,000	2,436
Station 3	4,220	1862	1870	1,200	20,000	800
Station 4	6,316	1872	1873	5,000	5,300	300
				$135,700	$335,300	$40,836

Voting booth, corner Cambridge and Hampshire streets	$500 00	
Five portable voting booths	2,500 00	
Voting compartments and fixtures (500)	2,500 00	
		$5,500 00

PERSONAL PROPERTY

1 horse	$250 00	
3 robes	32 00	
1 wagon	100 00	
Top buggy	150 00	
Sleigh	35 00	
		$567 00

CITY PROPERTY IN USE BY THE POLICE DEPARTMENT

PERSONAL PROPERTY

15 rolltop desks	$150 00
10 tables	20 00
2 settees	2 00
4 rugs	10 00
4 medicine cabinets	20 00
3 bookcases	15 00
2 wardrobes	10 00
4 umbrella stands	2 00
6 directories	24 00
2 safes	50 00
1 camera without lens	25 00
2 washing boxes	2 00
trays and graduates	4 00
1 letter scale	1 00
1 card index	50 00
1 copy press	5 00
6 fire ropes	5 00
6 oil cans	2 50
3 wagons @ $350	1,050 00
1 old wagon	50 00
1 ambulance	50 00
6 harnesses	60 00
5 horse blankets	5 00
6 stable forks	6 00
3 shovels	1 50
2 grain chests	10 00
5 horse brushes	1 00
1 dictionary	4 00
1 private telephone	200 00
145 revolvers	1,450 00
160 badges	80 00
160 diaries	80 00
3 straight jackets	6 00
5 bicycles	40 00
3 storm windows	3 00
60 chairs	$60 00
9 clocks	15 00
5 ice water tanks	35 00
15 inkstands	5 00
1 operating table and chair	25 00
12 mirrors	10 00
5 grappling irons	5 00
2 American flags	10 00
25 cuspidors	10 00
2 couches	10 00
1 camera stand	2 00
1 Bertillon book	1 00
1 fingerprint book	1 00
1 rogues' gallery	50 00
1 typewriter	20 00
4 maps	1 50
13 beds and clothing	150 00
11 pairs handcuffs	25 00
1 pair leg irons	5 00
1 van	100 00
5 horses	1,000 00
1 extra collar	5 00
23 galvanized cans	20 00
9 pails	2 25
3 wagon jacks	3 00
75 feet rubber hose	5 00
5 horse combs	1 00
Law books	50 00
150 police belts	100 00
150 Rules and Regulations	37 50
27 lanterns	13 50
2 electric desk lamps	5 00
1 saddle	5 00
8 waste baskets	2 00
Total	$5,283 75

FIRE DEPARTMENT

REAL ESTATE

Buildings	Location	Land Purchased	Erection of Buildings	Land Sq. Feet	Assessed Value	
					Land	Buildings
Engine House No. 1 Ladder House No. 1	108 Mt. Auburn St. Eliot Square	....	....	In City	building	schedule
Engine House No. 2 Ladder House No. 3	384-394 Mass. Ave.	Owned by City	1893	10,000	$10,000	$26,000
Engine House No. 3	35 Third Street.......	1895	1895	10,100	5,500	17,000
Engine House No. 4	2029 Mass. Avenue...	1896	1896	9,532	9,500	23,000
Engine House No. 5	Inman Square	1874	1874	6,000	5,000	10,000
Engine House No. 6	176 River Street......	1890	1890-1891	4,994	2,500	12,000
Engine House No. 7	350 Main Street......	Owned by City	1894-1895	9,400	7,300	12,000
Chemical Engine House No. 1......	5 Western Avenue...	....	....	In City	building	schedule
Chemical Engine House No. 2......	167 Lexington Avenue	1893	1894	15,262	4,000	16,000
Ladder House No. 2	276 Portland Street..	Owned by City	1887	11,931	3,000	12,000
Engine House No. 8	Junction of Sherman and Garden Street	1903	1904-1905	10,380	2,800	30,000
					$49,600	$158,500

PERSONAL PROPERTY

Estimated Value, March 31, 1912

Apparatus	$72,250 00	
Bedding, etc.	5,470 00	
Hardware and tools	849 00	
Horses and harness	16,000 00	
Miscellaneous	1,100 00	
		$95,669 00

FIRE ALARM AND POLICE TELEGRAPH

ELECTRICAL DEPARTMENT, WIRE ACCOUNT

EQUIPMENT

Fire alarm apparatus and machinery..........	$11,300 00	
Fire alarm and police telegraph circuits	7,650 00	
117 fire alarm boxes..........	8,810 00	
Police signal apparatus and machinery..........	4,450 00	
92 police boxes..........	9,800 00	
Police signal reserve apparatus..........	150 00	
Testing instruments..........	250 00	
Tools	250 00	
Stock on hand..........	1,550 00	
Old and disused apparatus..........	150 00	
Horses, wagons and harnesses	650 00	
Building in Cushing School yard	500 00	
		$45,260 00

HEALTH DEPARTMENT

REAL ESTATE

Number	Street	Houses	Sheds	Value of Buildings	Value of Land	Total Value	Area	REMARKS
59	Reservoir	1	...	$3,600	$8,300	$11,900	sq. ft. 16,624	Taken by Board of Health, Nov. 2, 1899
47	New.....	...	...	....	600	600	sq. ft. 10,800	" " " " " Nov. 21, 1901
51	New.....	...	...	....	900	900	sq. ft. 13,980	" " " " " Oct. 25, 1901
67	New.....	...	...	....	300	300	sq. ft. 6,140	Mar. 24, 1902 " " " " " Feb. 8, 1902
	Concord Ave......	...	...	12,300	4,500	16,800	acres 7.48	Mar. 24, 1902 " " " " " Dec. 28, 1901
				$15,900	$14,600	$30,500		

PERSONAL PROPERTY

In Office:		
4 desks and desk chair	$135 00	
Card cabinets and letter files	22 50	
Dictionary and 3 atlases	45 00	
Typewriting machine and desk	60 00	
Stationery and sundries	125 00	
		$387 50
In Laboratory:		
Microscope	$54 00	
Incubator and thermo-regulator	35 00	
Sterilizing oven	2 25	
Centrifuge	22 50	
Test tubes	10 00	
Diphtheria sputum and typhoid outfits	25 00	
Laboratory supplies	15 00	
Cards, card cabinet, stamps and stamp rack	38 50	
		202 25
At Stable:		
Horse	$135 00	
Ambulance	582 00	
Van	90 00	
Buggies and sleigh	215 00	
Harnesses	90 00	
Blankets and horse covers	16 50	
Ambulance blankets	36 00	
Disinfecting apparatus and materials	150 00	
		1,314 50
Amount carried forward		$1,904 25

PERSONAL PROPERTY

Amount brought forward		$1,904 25
At Diphtheria Hospital:		
Linen and bedding	$250 00	
Instruments and nursing utensils	80 00	
Dishes and kitchen utensils	69 00	
General furnishings	427 00	
		826 00
At Contagious Hospital, Concord Avenue:		
Linen and bedding	$1,096 00	
Instruments and nursing utensils	100 00	
Dishes and kitchen utensils	200 00	
General furnishings	1,100 00	
		2,496 00
		$5,226 25

INSPECTOR OF MILK AND VINEGAR DEPARTMENT

PERSONAL PROPERTY

16 platinum dishes		$286 72	
1 cream seal		7 50	
1 drying oven		6 00	
1 Zeiss refractometer		75 00	
Chemicals and glassware		25 00	
Water bath		22 00	
Electric centrifuge		88 00	
Polariscope		55 00	
Analytical balance and weights		60 00	
Muffle furnace		5 00	
Busner stand		15 00	
Office furniture		50 00	
Discarded apparatus		20 00	
1 high-speed centrifuge		43 50	
1 autoclave and fittings		115 00	
1 milk-collecting outfit		15 00	
Apparatus for plating bacteria:			
6 tube holders	$6 00		
1 bath for melting agar	2 00		
1 bath, water-jacketed, for melting agar	5 00		
2 racks for test tubes	3 00		
2 Petri dish holders	2 00		
		18 00	
Petri dishes and glassware:			
12 doz. pipettes	$10 00		
6 doz. Petri dishes	6 50		
6 doz. Petri covers	3 50		
Counting glass	1 00		
		21 00	
Intermission refractometer		100 00	
			$997 72

THE MODIFIED MILK ENTERPRISE

9 stock pots	$19 52	
30 galvanized iron racks	97 73	
28 wooden cases	20 59	
5 baby scales	10 85	
2 gas stoves	4 50	
3 boilers	13 50	
1 bottle filler	26 85	
7 tables	7 00	
Stoppers and bottles	86 40	
Index cards	3 00	
1,000 pamphlets	16 45	
Signs	10 00	
Barrel	1 75	
1 galvanized iron sterilizing closet	54 00	
		$372 14

CAMBRIDGE CEMETERY

57,576 acres of land	$92,000 00
1 office building	2,500 00
1 house	2,500 00
1 stable and shed	1,000 00
Personal Property	3,500 00
	$101,500 00

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

INVENTORY OF PROPERTY

STANDARDS FURNISHED BY COMMONWEALTH

1 balance, 5 grains to 100 pounds.
1 set (5) avoirdupois weights, 50, 25, 20, 10, 5 pounds.
1 set (11) avoirdupois weights, 4 pounds to 1/16 ounce.
1 kilogramme in case.
1 steel meter in case.
1 brass yard measure.
1 set (5) iron dry measures, ½ bushel to 1 quart.
1 set (6) iron liquid measures, 1 gallon to 1 gill.

Office furniture	$200 00
1 horse	200 00
1 express wagon	100 00
1 light wagon	85 00
1 pung	23 00
2 harnesses	70 00
1 plush robe	1 00
1 stable blanket	2 00
1 rain blanket	2 00
1 woolen blanket	5 00
1 halter	75
Amount carried forward	$688 75

SEALER OF WEIGHTS AND MEASURES DEPARTMENT—Concluded.

Amount brought forward	$688 75	
1 hitch weight	50	
1 wagon scale at Lechmere Square	400 00	
1 wagon scale at Porter Road	350 00	
1 platform scale, 1-2 lb. to 2,500 lbs.	75 00	
1 folding platform scale, 1-4 lb. to 600 lbs.	30 00	
1 spring scale, 1 lb. to 125 lbs.	1 00	
1 balance, 1-10 milligramme to 500 grammes	35 00	
1 balance, 1-50 grain to 8 oz.	15 00	
1 sealers' balance, 1 grain to 8 lbs.	50 00	
2 sealers' trip scales (not used)	5 00	
2 sets avoirdupois weights (19), 4 lbs. to 1-8 oz.	10 00	
1 set troy weights (9) 16 oz. to 1-8 oz.	3 00	
1 set metric weights (13), 1 kilo to 1 gramme	5 00	
5 boxes miscellaneous weights (not standardized)	10 00	
1 set iron weights (3), 25, 10, 5 lbs.	5 00	
40 50-lb. weights	100 00	
3 glass graduates	1 00	
1 set copper dry measures (5), 1-2 bushel to 1 quart	45 00	
1 set brass dry measures (3), 1 quart to 1-2 pint	5 00	
2 sets copper liquid measures (14), 1 gallon to 1 gill	30 00	
1 steel surveyor's tape	10 00	
1 iron truck	5 00	
Miscellaneous tools	50 00	
1 branding furnace	5 00	
1 set brands	3 00	
2 sets weights of precision	27 00	
1-5 gallon measure	15 00	
Inside caliper	3 50	
1 yard measure	1 50	
1 sealer's balance, 1 grain to 100 lbs.	150 00	
1 leather tool bag	7 00	
1 arch	2 00	
		$2,143 25

CITY HOME ESTATE

Thirty-two (32) acres land bought Aug. 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3, 1851.

Land cost	$12,000 00	
City Home cost	32,970 69	
Fences, furniture, etc., cost	3,000 00	
Total		$47,970 69
Hospital cottage on City Home grounds built in 1886, moved and rebuilt in 1901, cost		2,800 00
Two-story brick building erected 1888, cost		5,600 00

CITY HOME ESTATE—Concluded

Land situated in Cambridge	14 242-1000	acres
" " " Somerville (1½ taken by State)	6 454-1000	"
Lands (salable) on plan of April 10, 1884:		
30 lots of 5,000 feet each (in Somerville)	3 443-1000	"
Total acres of land	24 139-1000	"

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents.

The valuation of the City Home real estate by the assessors is:

Land in Cambridge	$21,000 00	
Buildings in Cambridge	25,000 00	
Land in Somerville	26,150 00	
Buildings in Somerville	3,200 00	
Total		$75,350 00

INVENTORY OF PERSONAL PROPERTY AT CITY HOME

April 1, 1912

Bookkeeping account books, stationery, etc.	$100 00
Drugs, medicines and hospital supplies	300 00
Dry goods, clothing, bedding, furniture, carpets, etc.	5,000 00
Groceries and provisions	400 00
Farm and Stable:	
2 horses, 120 fowls, 660 hot bed sashes, 260 straw mats, 230 shutters, 5 wagons, 1 pung, 2 carriages, 2 sleighs, 5 harnesses, farming implements, tools, fertilizers, etc.	3,700 00
Offal Department:	
23 wagons, 21 pungs, 26 harnesses, 25 horses, 80 blankets, etc.	8,900 00
Outside Aid:	
2 wagons, 2 pungs, 1 harness	400 00
Groceries	300 00
Total	$19,100 00

INVENTORY OF PERSONAL PROPERTY AT OVERSEERS' OFFICE, CENTRAL SQUARE BUILDING, April 1, 1912

Office furniture, filing cases, bookcases, typewriter, books, stationery, etc.	$600 00
City Physician's office—Instruments, microscope, operating, table, furniture, medicine, etc.	350 00
Total	$950 00

ENGINEERING DEPARTMENT

PERSONAL PROPERTY

6 books, at $3	$18 00	
30 vols. engineering papers, at $2.50	75 00	
5 logarithm books	5 00	
1 pantagraph	10 00	
2 planimeters, at $20	40 00	
1 neostyle	5 00	
2 numbering machines, at $5	10 00	
1 typewriter	75 00	
Drawing instruments, pens, compasses, etc.	75 00	
Drawing materials and paper	25 00	
Wye level	50 00	
Dumpy level, $40; hand level, $5	45 00	
2 transits, at $100	200 00	
Level, line and sounding rods	45 00	
6 tapes	30 00	
Testing pans, moulds, etc.	10 00	
Testing machinery	50 00	
Electric motor	10 00	
Furniture in office	300 00	
Photograph outfit	50 00	
Rain gages, standard and self-recording	75 00	
Plans (estimated value) 11,392, at $10	113,920 00	
458 field, survey, line and level books, estimated value $20	9,160 00	
54 house books, estimated value $10	540 00	
Total		$124,823 00

SEWER DEPARTMENT

REAL ESTATE

Location.	Buildings.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Assessors' Valuation of Land.	Assessors' Valuation of Buildings.	Total.
Pilgrim Street	Stable...	1887					
		1881					
" "	Sheds ...	1884					
		1892					
" "	House...	1890	1868	23,707	$5,900 00	$5,600 00	$11,500 00

SEWERS

147.306 miles of sewers, which have cost to construct.........$2,198,080 91

PERSONAL PROPERTY

1 buggy	$125 00	
4 carts, steel (sanitary)........................	400 00	
1 cart	50 00	
2 tipcarts	50 00	
1 wagon, open	50 00	
4 regulator clocks	10 00	
1 dray	50 00	
1 derrick, 4-leg	10 00	
1 hoisting engine	300 00	
1 gasoline engine	140 00	
10 harnesses (sets of) and horse clothing..........	150 00	
4 horses	600 00	
2 patterns	10 00	
1 hammer (pile-driver)	10 00	
4 hand pumps and hose..........................	100 00	
1 submerged pump	20 00	
1 street roller (horse)	75 00	
Rubber goods (miscellaneous)	75 00	
1 sewer-cleaning machine, "Healy"	300 00	
3 sleighs	75 00	
Tool houses, etc.	100 00	
1 trench machine, "Carson"......................	500 00	
1 canopy-top wagon	100 00	
Tools and implements............................	550 00	
Stock on hand, bricks, castings, lumber, pipe, etc...	555 00	
		$4,405 00

STREET DEPARTMENT

INVENTORY OF REAL AND PERSONAL PROPERTY

REAL ESTATE

Location.	Buildings and Land.	Erection of Buildings.	Purchase of Land.	Feet of Land.	Valuation of Land.	Valuation of Buildings.
Raymond St....	City Yard and Stable, stable, sheds, scales, etc.....	1897	1896	272,670	$27,000	$27,000
	Incinerator plant......	1912	....	....	....	5.500
Hampshire St...	City Stable, sheds, stables and scales, including old police station.	1885	....	72,661	30,000	16,000
E. S. Norfolk St.	Yard and pound.......	....	....	34,650	10,400	....
River St.........	Yard and wharf........	....	....	41,546	17,000	....
Acton, Mass....	Land, gravel bank....	....	1896	....	3,000	....
Main St.........	Land and Incinerator plant........	1908	....	93,424	31,900	18,000
					$119,300	$66,500

Total valuation of real estate..$185,800

PERSONAL PROPERTY

63 horses	$12,600 00	
53 watering carts	13,000 00	
60 single and double carts	5,200 00	
90 sets harness	2,000 00	
3 bicycles	50 00	
4 steam rollers	11,000 00	
1 scarifier	450 00	
10 Shadbolt carts	3,300 00	
2 Watson carts	300 00	
674 feet straight edgestone	340 37	
50 feet circle edgestone	30 00	
37,500 granite paving blocks, seconds	935 50	
5,500 sidewalk bricks	64 24	
15,000 vitrified bricks	435 00	
50 feet granite flagging	35 00	
130 tons field stone	97 50	
20 tons crushed stone	21 80	
60 barrels of cement	91 20	
12 tons of coal	54 92	
Stone crushing plant, Raymond street	5,000 00	
Stone crushing plant, Hampshire street	5,000 00	
Furnace and boiler, incinerator	12,000 00	
Miscellaneous tools, road machines, machine brooms, scrapers, brooms, waste barrels, push carts, etc.	10,000 00	
Miscellaneous buggies, sleighs, pungs, plows, wagons, etc.	3,500 00	
Miscellaneous lumber, iron, grain, paints, leather and general hardware	1,500 00	
		$87,005 53
Total		$272,805 53

ELECTRICAL DEPARTMENT

STREET LIGHTING

Equipment

355 lamp posts	$3,550 00	
Office furniture	275 00	
Stock on hand (old and disused)	100 00	
Automobile	950 00	
		$4,875 00

BRIDGE DEPARTMENT

PERSONAL PROPERTY

Cambridge and Boston Bridges

Harvard Bridge	$750 00	
Prison Point Bridge	940 00	
River Street Bridge	500 00	
North Harvard Bridge	40 00	
Western Avenue Bridge	60 00	
Cambridge Bridge	100 00	
		$2,390 00

SCHOOLHOUSES

	Feet of Land.	Purchase of Land.	Erection of Buildings.	Valuation of Land.	Valuation of Buildings.
Agassiz	19,689	1874	1875	$8,000	$18,000
Boardman	10,018	1866	1868	4,000	13,500
Bridge	4,646	1836	1836	1,400	....
Corlett	10,000	1880	1880 Purchased.	2,500	2,500
Cushing	14,787	1880	1880 Purchased.	2,800	3,000
Ellis	25,700	1897	1898	6,000	50,000
Felton	15,090	1847	1848	5,000	10,000
Fletcher	24,364	1902	1903	7,400	70,000
Gannett	15,434	1876	1886	4,000	12,000
Wellington	27,673	1875	1884	9,200	133,000
Gore	9,900	1871	1871	4,000	36,000
Harvard	20,494	1870	1871–1899	12,000	65,000
High	74,366	....	1891	44,425	220,000
Houghton	20,306	1904	1904–1905	8,100	90,000
Kelley	25,536	1900	1902	10,000	80,000
Lassell	10,000	1880	1880	3,000	8,000
Latin	79,579	1894	1897	47,575	225,000
Lowell	12,033	1883	1883	3,600	7,000
Merrill	37,828	1864	1864	19,000	45,000
Morse	25,650	1889	1890	7,000	73,000
Otis	8,270	1857	1859	4,000	20,000
Parker	12,319	....	1893	7,000	15,000
Peabody	21,813	1887	1888–1898	10,900	68,000
Putnam	14,400	1825	1889	12,000	65,000
Reed	12,000	1868	1868	1,200	4,000
Rindge M. T	97,128	...	1887	60,000	141,000
Riverside	11,198	1868	1868	3,500	5,500
Roberts	16,400	1898	1898	7,200	48,000
Russell	33,073	1895	1896	8,500	40,000
Shepard	14,755	1855	1856–1873	10,000	20,000
Sleeper	21,284	1894	1894	5,000	29,000
Tarbell	19,500	1878	1882	4,900	10,000
Taylor	25,278	1894	1895	7,100	36,000
Webster	25,839	1866	1873–1885	9,000	140,000
Willard	20,079	1869	1870	5,000	25,000
Wyman	14,347	1871	1871–1886	4,000	6,000
Fresh Air	10,296	1910	1910	3,600	1,200
Sargent (lot)	9,995	1838	....	5,000	....
				$376,900	$1,834,700

SCHOOL DEPARTMENT

PERSONAL PROPERTY

Text books	$39,646 04	
Desk and reference books	1,930 93	
Apparatus and furnishings and machinery	22,632 27	
Furniture and furnishings	117,583 19	
Stock on hand in storeroom	9,044 73	
		$190,837 16

PUBLIC LIBRARY

REAL AND PERSONAL ESTATE

141,666 feet of land, as per assessors' books	$85,000 00	
Library building, as per Assessors' books	145,000 00	
		$230,000 00
Estimated valuation of books in the library	$75,000 00	
Estimated valuation of interior furnishings	8,000 00	
Estimated valuation of books in the East Cambridge Branch Library	3,000 00	
Estimated valuation of furnishings in the East Cambridge Branch Library	475 00	
Estimated valuation of books in the North Cambridge Branch Library	3,800 00	
Estimated valuation of interior furnishings in North Cambridge Branch Library	1,400 00	
		91,675 00
		$321,675 00

The lot (about 590x240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge streets. The land and building were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the City of $20,000, and in 1902 an addition to the stack was made at an expense of about $30,000.

The trustees of the Library also hold the following funds, invested in the bonds of the City of Cambridge:

Fay Fund, schoolhouse loan bond, No. 254, due 1st August, 1918, at 3½ per cent.		$1,000 00
Cummings Fund, water loan bond, No. 1102, due 1st July, 1939, 4 per cent.		2,000 00
Citizens' Subscription Fund, invested as follows:		
Sewer loan bond, No. 1150, due 1st May, 1940, 4 per cent.	$5,000 00	
Sewer loan bond, No. 47, due 1st October, 1925, 4 per cent.	500 00	
		5,500 00
William E. Saunders Fund, invested as follows:		
Building loan bond, No. 544, due 1st April, 1923, 3½ per cent.	$3,000 00	
Street loan bond, No. 545, due 1st April, 1923, 3½ per cent.	4,000 00	
Deposited in Cambridgeport Savings Bank	483 38	
		7,483 38
James A. Woolson Fund, invested as follows:		
City of Cambridge Park loan bond, No. 701, due 1st April, 1945, 3½ per cent.		5,000 00
		$24,983 38
Edward H. Whorf Fund, invested as follows:		
3 American Tel. & Tel. Co. bonds, Nos. 9755, 56, 57, due July 1, 1929, 4 per cent.		3,000 00
William Penn Harding Fund, invested as follows:		
Deposited in East Cambridge Savings Bank, Book No. 58,916		1,000 00

PARK DEPARTMENT

LAND

	Square Feet	Value
River Parkway:		
Section A	395,174	$592,761 00
“ B	859,000	2,013,750 00
“ C	583,082	174,924 60
“ D	1,668,709	200,245 08
“ E	77,101	77,101 00
“ F	605,084	450,000 00
“ G	699,948	560,000 00
“ H	62,858	31,500 00
Cambridge Field	528,154	264,000 00
Rindge Field and Nursery	501,729	100,000 00
East Cambridge Embankment	349,828	174,000 00
Commons and Squares:		
Garden street, Massachusetts avenue and Waterhouse street	370,784	370,000 00
Massachusetts avenue, Kirkland street and Cambridge street	33,357	66,000 00
Massachusetts avenue and Peabody street	23,073	46,000 00
Massachusetts avenue and Holmes place	20,956	42,000 00
Massachusetts avenue and Waterhouse street	13,180	13,000 00
Broadway Common	107,181	54,000 00
Fort Washington	42,123	10,500 00
Dana square	33,531	12,000 00
Hastings square	30,000	10,500 00
Winthrop square	11,565	23,000 00
Arsenal square	3,189	3,100 00
Pleasant and River streets	1,569	1,200 00
Pleasant street and Western avenue	1,372	1,000 00
Massachusetts avenue and Arrow street	872	1,700 00
Harvard street near Prospect street (Stearns Schoolhouse Lot)	10,050	5,000 00
Longfellow Park	93,618	56,000 00
Washington Elm	886	960 00
Mill Pond property, River street, near Putnam avenue:		
Available as a playground	91,452	21,000 00
Remaining area	27,614	6,200 00
Total		$5,381,441 68
Buildings		122,100 00
Equipment		3,600 00
		$5,507,141 68

CITY PROPERTY

NOT USED BY ANY DEPARTMENT

	Assessors' Value
27,641 square feet Mill Pond Property included in Park Department schedule.	
14,317 square feet north side Centre street, Dana Schoolhouse Lot	$6,400 00
13,690 square feet northwest corner Main and First streets	17,200 00
Total	$23,600 00

PLAYGROUNDS AND EQUIPMENT

LAND

Land on Columbia street	$5,125 00
" " Elm street	3,000 00
" " Norris street	2,307 76
" " Vine street	27,400 00
" " "Mill Pond Property"	8,400 00
" " Putnam avenue	8,771 19
" " Walker street	7,000 00
" at Russell Field	25,900 00
	$87,903 95

EQUIPMENT

To March 31st, 1912	$6,886 99
Total	$94,790 94

SCHEDULE B

No. X

EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the County of Middlesex, not including that owned by the City of Cambridge, as shown on the Assessors' Books, March 31, 1912:

RETURN OF PROPERTY EXEMPTED FROM TAXATION IN THE CITY OF CAMBRIDGE

Name of Corporation	Description of Property	Real Estate	Valuation Personal
Avon Home	Building	$50,000 00	$169,358 76
Baptist Home	Building	21,500 00	49,931 47
Bishop, Leverett J., Wellington Bears, Hector McDonald, George McDougall and William C. Abbott, Trustees of the Church of Scotland, Unattached	Church	4,600 00	
Board of Church Extension of the Church Extension Society of the African Methodist Episcopal Church	Church	8,900 00	
Broadway Baptist Church	Church	38,000 00	
Buckingham School, The	Schoolhouse	11,700 00	4,611 46
Burton, Joseph S., and Edwin J. Sheffield and Charles A. Swinerton, Trustees	Lot	3,900 00	
Cambridge Home for Aged People	Buildings	80,000 00	212,561 84
Cambridge Hospital	Buildings	237,000 00	399,298 36
Cambridge Masonic Hall Association	Building	72,000 00	
Cambridge Relief Hospital	Building	13,500 00	3,130 04
Cambridge School for Girls, Incorporated, The	Buildings	28,000 00	4,136 76
Cambridge Social Union	House and Hall	25,500 00	2,000 00
Cambridge Visiting Nursing Association	House	9,500 00	3,950 25
Cambridge Young Men's Christian Association	Building	149,000 00	16,460 00
Cambridge Young Women's Christian Association	Buildings	33,900 00	10,490 07
Cambridgeport Unitarian Society	Church	26,000 00	
Christ Church, Episcopal	Chrch. & Par. Ho.	50,000 00	
Church of the Ascension	Church	9,000 00	
Congregation Beth Israel of Cambridge	Synagogue	17,600 00	
Corporation of the New Church Theological School, The	Buildings	106,500 00	170,900 00
East End Union Mission Church	Church	6,000 00	
Episcopal Theological School, Trustees of	Buildings	355,700 00	423,175 79
Epworth M. E. Church	Church	87,200 00	
First Baptist Church	Church	100,000 00	
First Church of Christ, Scientist, in Cambridge, Massachusetts	Land	9,600 00	
First Church of the Evangelical Association of North America	Church	7,900 00	
First Evangelical Congregational Society	Church	52,000 00	
First Free Baptist Church of Cambridge	Church	13,700 00	
First Parish Church, Unitarian	Church	100,000 00	

Exempted Property—Continued

Name of Corporation	Description of Property	Real Estate	Valuation Personal
First Reformed Presbyterian Church of Cambridge	Church	9,600 00	
First Swedish Baptist Church of Cambridge	Church	8,200 00	
First United Presbyterian Church of Cambridge	Church	11,100 00	
First Universalist Society of Cambridge	Church	31,300 00	
Grace M. E. Church	Church	20,000 00	
Harvard Lampoon Club			3,000 00
Harvard Street M. E. Society	Church	30,000 00	
Holy Ghost Hospital for Incurables	Hospital, etc.	178,000 00	9,200 00
Immanuel Baptist Church	Church	28,000 00	
Lamson Home, The	House	7,000 00	10,312 06
Longfellow Memorial Association			21,145 43
Marist Fathers of Boston, The	Ch. & Sch'lho.	63,700 00	1,500 00
Massachusetts Association for Promoting the Interests of the Adult Blind	Buildings	15,900 00	4,603 73
Massachusetts Avenue Baptist Church and Harlow H. Rogers for apportioned sewer assessment and for tax	Church	20,500 00	
Massachusetts Baptist Convention, Union Baptist Church	Church	18,400 00	
Massachusetts College of Osteopathy	House	24,000 00	2,500 00
Massachusetts, Commonwealth of	Park & Bldgs.	535,800 00	
Massachusetts, Commonwealth of, and Frank I. Cobb, for sidewalk assessment and for tax	Park	900 00	
Massachusetts, Commonwealth of, and Harlow H. Rogers, for tax	Park	1,000 00	
Massachusetts, Commonwealth of, and Mary M. Maguire, for tax, and City of Cambridge, for tax	Park	100 00	
Massachusetts, Commonwealth of, and Willard Welsh, for tax	Park	2,300 00	
Massachusetts, Commonwealth of, and City of Cambridge, for tax	Park	1,200 00	
Middlesex, County of	Buildings	1,369,500 00	50,000 00
Mt. Auburn Cemetery Corporation	Cemetery	50,000 00	
North Avenue Baptist Church	Church	76,300 00	
North Avenue Congregational Society	Church	43,600 00	
Old Cambridge Baptist Society	Church	171,000 00	
Pilgrim Congregational Church	Church	39,300 00	
President and Fellows of Harvard College	Buildings	7,508,300 00	19,358,111 54

Exempted Property—Concluded

Name of Corporation	Description of Property	Real Estate	Valuation Personal
Prospect Union Association	Building	27,300 00	13,648 29
Protestant Episcopal Church Trustees, Trustees of Donations of the	Church	96,200 00	
Radcliffe College	Buildings	627,100 00	976,282 42
Roman Catholic Archbishop of Boston	Ch'ches & Lots	461,100 00	
Rush African M. E. Zion Church	Church	7,100 00	
Sacred Heart School Association of Cambridge	Schoolhouse	162,500 00	4,285 00
St. John's Literary Institute	Building	24,700 00	4,763 06
St. Mary's Parochial School	Buildings	310,000 00	5,359 48
St. Paul's Roman Catholic School Association	School Bldgs.	230,200 00	4,000 00
St. Peter's Parish Hall Corporation	Buildings	64,600 00	
St. Philip's Episcopal Church	Church	4,300 00	
St. Stephen's Baptist Church (Johnson Washington Hill and wife, Estelle Easton Mason)	Church	11,000 00	
Shepard Congregational Society	Church	144,000 00	
Stratton, Charles F., Allen K. Sweet and Edwin S. Chapin, Trustees of the Riverside Alliance	Lot, Building	7,100 00	67 50
Swedish Evangelical Lutheran Augustana Church	Church	18,100 00	
Swedish Evangelical Missionary Church of Cambridge	Church	26,600 00	
Third Congregational Society in Cambridge	Church	8,700 00	
Third Universalist Society	Church	44,800 00	
Ticknor, Thomas B., Prescott Evarts and Samuel G. Babcock, Trustees of St. Bartholomew's Chapel in Cambridge	Church	8,200 00	
Trinity Methodist Episcopal Church	Church	41,300 00	
Trustees of the Donations to the Protestant Episcopal Church in the Diocese of Massachusetts, St. Peter's Church	Church	19,200 00	
Wheelwright, John T., Robert L. Scarfe and Arthur H. Weed, Trustees	Building	12,000 00	
Wood Memorial Church, Congregational	Church	34,700 00	
Trustees of Andover Theological Seminary	Buildings	262,000 00	1,104,876 27
Totals		$14,646,000 00	$23,043,659 58

RECAPITULATION OF EXEMPTED PROPERTY

	Real Estate	Personal
Literary	$9,819,800 00	$22,101,795 50
Scientific	24,000 00	2,500 00
Charitable	684,400 00	862,346 51
Benevolent	190,000 00	27,017 57
Religious	1,967,000 00	
Miscellaneous	1,960,800 00	50,000 00
Totals	$14,646,000 00	$23,043,659 58

REPORT OF THE CHIEF OF THE FIRE DEPARTMENT

Chief of Department Office,
Cambridge, April, 1912.

To the Honorable, the Mayor and City Council:—

Gentlemen:—I herewith submit a report for the fiscal year ending March 31, 1912.

The department as organized consists of seven (7) steam engine companies, two (2) chemical engine companies, four (4) ladder companies, one of which has in connection with it a combination hose and chemical wagon.

MANUAL FORCE

The required membership is ninety-eight (98) permanent men and forty (40) call men, classed as follows:

One (1) Chief of Department. One (1) Deputy Chief. Thirteen (13) Captains. Twelve (12) Lieutenants, one of which is assigned as Chief's Aide, seven (7) Enginemen, sixty-four (64) Privates and forty (40) Call Privates.

SALARIES PAID

Chief of Department, per year	$2,000 00
Deputy Chief, per year	1,500 00
Captains, per year	1,300 00
Lieutenants, per year	1,250 00
Enginemen, per year	1,200 00
Privates (permanent), per year, first year	820 00
Privates (permanent), per year, second year	920 00
Privates (permanent), per year, third year	1,095 00
Privates (call), per year	240 00

APPARATUS

The department has seven (7) steam engines and hose wagons to run with them, one (1) spare steam engine, seven (7) fuel wagons, one (1) spare hose wagon, two (2) chemical engines, one (1) combination hose and chemical wagon, four (4) ladder trucks and one (1) spare ladder truck, one (1) supply wagon and three (3) chief's wagons, one of which is kept in reserve. A description of each apparatus is given in the roster of the department.

HOSE

There are 15,150 feet of two and one-half inch cotton rubber-lined hose in good condition; 200 feet of two-inch cotton rubber-lined hose, and 1,350 feet of three-fourth inch chemical hose; 1,200 feet of two and one-half inch hose was purchased to take the place of the same amount condemned.

HORSES

There are fifty-two horses in the service. Ten young horses have been bought and six unfit for service given in exchange. Three were killed, one for twisted intestines, and two for broken legs.

MEMBERS DISCHARGED

Thomas H. Kneeland, Engine Company No. 1, retired by reason of disability and placed on pension roll July 1, 1911.

George A. Garrity, Engine Company No. 7, retired by reason of disability and placed on pension role July 1, 1911.

George E. Muzzey, Engine Company No. 4, retired by reason of disability and placed on pension role July 1, 1911.

Leo J. Shields, Engine Company No. 3, resigned August 19, 1911.

John E. Savage, Engine Company No. 6, retired by reason of disability and placed on pension role February 1, 1912.

Ralph W. E. Hanna, Engine Company No. 4, resigned February 1, 1912.

DEATH

Lieutenant Exurie J. Ouimette died from injuries received when riding on Ladder No. 3 responding to an alarm of fire. Chemical Engine No. 1 collided with the ladder truck at street crossing.

APPOINTMENTS AND PROMOTIONS

Walter L. Allen, made permanent June 1, 1911.
Edward J. Shea, admitted to department June 11, 1911.
George E. Lonigan, admitted to department December 1, 1911.
Wm. F. Campbell, admitted to department December 1, 1911.
James Furfey, promoted to captain April 1, 1911.
Lieutenant James F. McCabe, promoted to captain April 1, 1911.
Albert R. Wait, promoted to lieutenant July 1, 1911.

William J. Atkinson, promoted to lieutenant March 1, 1912.
Frank Foster, admitted to department December 1, 1911.
Wm. J. Connor, made permanent December 1, 1911.
Joseph W. McCloskey, made permanent December 1, 1911.
Ralph W. E. Hanna, made permanent December 1, 1911.

ACCIDENTS

April 1, 1911. Bernard J. Coakley, Ladder Company No. 4, at fire No. 19 Sibley street, when saving Lieutenant Doyle from falling, strained his shoulder.

April 29, 1911. Captain James F. McCabe, injured on face by explosion of pony chemical tank.

May 3, 1911. Mary Ashby, died from burns caused by a lamp exploding at No. 34 Soden street.

James Ashby burned on hands from same cause.

August 12, 1911. Driver of horses on Engine No. 3, lost control of horses running away. One horse broken leg, and Patrick J. Hayes, jumping from engine, injured back and hip.

September 16, 1911. Sarah O'Brien burned to death from overturned lamp at her home, No. 8 Winter street.

November 19, 1911. Captain Lewis C. Clark, working at fire No. 483 Main street, fell into hole in ground, breaking one rib.

Captain James F. McCabe, working at fire No. 483 Main street, fell from roof of shed breaking bones in both heels.

January 20, 1912. Captain Frank McGrath, working at fire on Second street, burned on face from oil exploding.

February 1, 1912. Lieutenant E. J. Ouimette died from injuries received in collision between Chemical No. 1 and Ladder No. 3, responding to Box 237.

February 6, 1912. Ellen F. Jennings and Louisa Irwin, fatally burned at No. 29 Burleigh street by oil lamp being broken.

VALUE OF REAL AND PERSONAL PROPERTY IN CHARGE OF THIS DEPARTMENT

Real estate	$158,500 00
PERSONAL PROPERTY.	
Apparatus, hose, etc	$72,250 00
Bedding and furniture	5,470 00
Hardware and tools	849 00
Horses and harnesses	16,000 00
Miscellaneous	1,100 00
	$95,669 00

FIRES AND ALARMS

The whole number of alarms was 603; bells, 339; still, 264. Table showing the values, losses, etc.:—

	Values	Losses	Insurance	Insurance paid
Buildings	$2,074,892 00	$77,075 54	$1,478,128 00	$71,335 94
Contents	424,914 00	59,681 17	341,975 00	63,851 20
Totals	$2,499,806 00	$136,756 61	$1,819,003 00	$135,186 14

APPROPRIATIONS AND EXPENDITURES

The appropriation for the year ending March 31, 1912, was $136,762.17.

Salaries	$117,962 17	
Additional by transfer	474 89	
		$118,437 06
Amount expended		118,437 06
General Expenses	$18,800 00	
Additional	3,500 00	
Additional by transfer	951 15	
		$23,251 15

ITEMS OF EXPENDITURE

Apparatus, repairs on	$2,779 95	
Buildings, repairs on	821 02	
Bedding and furniture	567 83	
Brooms, brushes, sponges, etc.	199 16	
Badges, insignias, etc.	177 16	
Chemical supplies	172 66	
Fuel	3,339 54	
Gas and electric light	934 48	
Horses bought and hired	2,416 24	
Hose and repairs on	1,916 77	
Horseshoeing	1,478 15	
Harness and repairs on	216 27	
Hardware and tools	313 75	
Hay, grain and straw	7,126 34	
Laundry	299 51	
Oil, soap, disinfectant, etc.	167 44	
Printing and stationery	174 48	
Miscellaneous	210 40	
		23,251 15

RECOMMENDATIONS

I desire to repeat my recommendation of previous years for a new station for Engine No. 5, Inman square, also new stations for Engine No. 1 and Ladder No. 1, the rooms in these stations being absolutely inadequate for the future accommodation for the increased membership.

I shall include in my estimate for appropriation to general expenses for the coming year an amount sufficient to place a new boiler and make general repairs on one engine.

The fire station located on Wyeth square is very much in need of paint inside and outside, and I shall include in my estimate a sufficient amount to cover that work.

I recommend the purchase of an automobile combination hose and chemical apparatus.

The arrangement made for mutual aid between Boston and neighboring cities is in working order, as was exemplified in this city on the night of February 22.

I desire to thank the firemen of Boston, Somerville and Arlington for prompt response and assistance rendered. To the officers and members of this department I extend my sincere thanks for earnest endeavors to keep up the good name of the department.

Respectfully submitted,

NATHANIEL W. BUNKER,
Chief of Department.

APPENDIX

ROSTER OF THE DEPARTMENT, APRIL 1, 1912

DEPARTMENT CHIEFS

Name	Rank	Age	Residence
Nathaniel W. Bunker	Chief	68	5 Ashton place
James M. Casey	Deputy Chief	47	353 Huron avenue

CHIEF'S AIDE

No. of Badge	Name	Rank	Age	Residence
1	William J. Atkinson	Lieutenant	37	5 Plymouth street

ENGINE CO. NO. 1

108 Mount Auburn Street.

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1883. Now in repair shop for new boiler and general repairs. Last new boiler 1901. One hose wagon drawn by two horses, with 800 feet of hose and other necessary equipments.

No. of Badge	Name	Rank	Age	Residence
5	Daniel E. Shea	Captain	55	65 Putnam avenue
131	Richard J. Doyle	Lieutenant	35	104 Fayerweather street
15	John H. McDermott	Engineman	59	11 Dodge street
39	Jeremiah O'Connor	Asst. Engineman	53	2 Olive place
4	Hiram W. Hooker	Private	34	45 Fayette street
41	Edward J. Shea	"	29	12 Porter road
25	Walter L. Allen	"	32	79 Putnam avenue
13	Joseph J. Corcoran	Callman	52	31 Ash street
35	Horace P. Walker	"	35	136 Hancock street

ENGINE CO. NO. 2

384 Massachusetts Avenue

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler 1908. One hose wagon drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
110	William F. Newman...	Captain...........	66	66 Winter street
14	Daniel E. Powers......	Lieutenant........	53	19 Park street
2	Charles A. Cairns......	Engineman.......	46	384 Massachusetts avenue
100	James J. Clifford.......	Asst. Engineman..	40	452 Huron avenue
84	Thomas H. Anderson..	Private...........	31	19 Watson street
7	Cornelius J. Crowley..	“	33	39 Cowperthwaite street
90	David T. Burns........	“	34	27 Putnam avenue
33	William J. Conners....	“	33	228 Webster avenue
20	John J. Balfe..........	Callman..........	41	377 Norfolk street
22	Charles H. Cutting.....	“	60	1 Pine street
71	James P. Welch.......	“	49	15 Columbia street

ENGINE CO. NO. 3

35 Third Street

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1871. New boiler 1905. One hose wagon, drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
27	Frank McGrath	Captain...........	47	39 Hunting street
30	William F. Newman...	Lieutenant........	42	11 Hunting street
18	William Reilly	Engineman.......	41	300 Prospect street
29	Patrick J. Hayes......	Asst. Engineman..	49	93 Gore street
120	Daniel J. Holleran.....	Private...........	39	68 Berkshire street
3	Edward F. Looney....	“	36	15 Marney street
54	John J. O'Callahan....	“	42	36 Tremont street
31	Walter Baker	Callman..........	59	35 Antrim street
34	Charles H. Leddy......	“	51	24 Antrim street
37	Joseph King	“	34	49 Third street
59	George W. Stevens....	“	45	135 Antrim street
23	Thomas J. Conroy.....	“	36	16 Hardwick street

ENGINE CO. NO. 4

2029 Massachusetts Avenue

Third size Amoskeag engine, drawn by two horses; capacity, 550 gallons a minute; has been in service since 1895. New boiler 1904. One hose wagon drawn by two horses, equipped with 900 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
87	Albert S. Benson	Captain	69	52 Boylston street
119	Walter E. Chapman	Lieutenant	44	73 Porter road
42	John T. Henderson	Engineman	43	11 Yerxa road
24	James A. S. Drinkwater	Asst. Engineman	39	1 Coolidge place
57	Frank J. Murray	Private	47	4 Pemberton terrace
32	Hugh J. Powers	"	26	169 Willow street
56	Thomas A. Haley	"	32	19 Rice street
45	George F. Durgin	Callman	44	171 Sherman street
47	William F. Henderson	"	47	10 Allen street

ENGINE CO. NO. 5

Inman Square

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1870. New boiler 1899. One hose wagon drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
51	Peter F. McSorley	Captain	52	1431 Cambridge street
16	John D. Shea	Lieutenant	41	15 Athens street
53	George L. Church	Engineman	33	1293 Cambridge street
12	William L. McCusker	Asst. Engineman	36	109 Antrim street
134	Charles R. Hooker	Private	67	45 Fayette street
52	Timothy F. McCarthy	"	37	62 Antrim street
125	Arthur L. Marshall	"	28	87 Hammond street
43	William Beck	"	28	234 Webster avenue
58	James H. McGrath	Callman	55	4 Highland park
60	John F. Downey	"	32	341 Columbia street
61	William G. Johnson		50	14 Springfield street

ENGINE CO. NO. 6

176 River Street

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler 1907. One hose wagon drawn by two horses, with 800 feet of hose and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
126	Lewis C. Clark........	Captain...........	67	264 Green street
66	Herman E. Gutheim...	Lieutenant........	35	460 Huron avenue
62	J. Lewis Howe........	Engineman.......	60	189 Western avenue
6	Thomas H. Drummond	Asst. Engineman..	44	270 Green street
65	Warren A. Dale........	Private..........	39	104 Otis street
127	Mortimer F. Hartney...	"	37	13 Clinton street
118	William H. C. Acford..	"	26	14 Carlisle street
69	William F. Campbell..	"	31	25 Decatur street
70	Thomas F. Mullen.....	Callman..........	39	8 Howard street
72	Charles P. Cox, Jr.....	"	40	34 River street

ENGINE CO. NO. 7

350 Main Street

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1895. New boiler 1911. One combination hose and chemical wagon drawn by two horses, with 800 feet of 2½-inch hose and 200 feet of ¾-inch chemical hose, and all other necessary equipment.

No. of Badge	Name	Rank	Age	Residence
17	James H. Furfey......	Captain...........	54	59 Prince street
28	Albert R. Wait........	Lieutenant........	40	114 Hampshire street
63	Thomas H. McCourt...	Engineman.......	42	59 Rindge avenue
73	John McCarthy	Asst. Engineman..	58	282 Massachusetts avenue
76	Henry J. O'Brien......	Private...........	36	28 York street
77	Dennis R. Sullivan.....	"	40	35 Harvard street
83	Joseph S. Hayes.......	"	34	1 Marney street
136	Otis D. Powers........	"	24	152 Pearl street
80	Joseph A. Wood.......	Callman..........	50	49 Austin street
82	Edward Clark	"	46	253 Sixth street
85	James E. Cunha.......	"	35	9 Gardner street

LADDER CO. NO. 1

Eliot Square

Ordinary ladder truck drawn by three horses, equipped with 486 feet of ladders, the longest ladder 65 feet extension; also equipped with jumping net, life line, etc.; has been in service since 1892. Rebuilt with improvements in 1907.

No. of Badge	Name	Rank	Age	Residence
129	William H. Barrow....	Captain...........	42	106 Fayerweather street
88	William J. Anderson..	Lieutenant........	40	79 Putnam avenue
97	John F. McPherson....	Private...........	39	5 Brewer street
121	Edward Grant	"	34	9 Gerry street
38	Charles N. Anderson...	"	31	583 Franklin street
81	James E. Jefferson.....	"	26	47 Howard street
93	John W. Jefferson.....	Callman...........	49	98 Winthrop street
95	Thomas J. McGowan...	"	47	106 Winthrop street
96	James F. Rooney......	"	42	26 Shepard street

LADDER CO. NO. 2

276 Portland Street

Combination ladder and chemical, drawn by three horses; equipped with 445 feet of ladders; longest ladder 65 feet extension; two 30-gallon tanks; 200 feet of ¾-inch chemical hose, jumping net, life lines, etc. Put in service 1902.

No. of Badge	Name	Rank	Age	Residence
128	John H. Dardis........	Captain...........	42	4 St. Paul street
26	Thomas F. O'Connell..	Lieutenant........	50	24 York street
102	Charles F. McElroy....	Private...........	33	79 Thorndike street
116	Frank A. Casey.......	"	36	17 Marney street
108	Thomas J. Parks.	"	35	294 Prospect street
19	Cornelius O'Connell ...	"	26	25½ Gore street
107	Michael Mullen	"	37	38 Plymouth street
36	Frank Foster	"	23	62 Spring street
109	Joseph W. McCloskey..	"	35	232 Webster avenue
105	Jeremiah J. Hayes.....	Callman...........	45	17 Marney street
106	Thomas J. Lane.......	"	47	134 Otis street
91	Timothy J. Murphy....	"	35	709 Cambridge street

LADDER CO. NO. 3

394 Massachusetts Avenue

Hayes 75-feet aerial truck, drawn by three horses; carries 267 feet of single ladders, jumping net, life lines, etc. Hose and Morse nozzle applied for water tower 1909. Dahill hoist applied 1911.

No. of Badge	Name	Rank	Age	Residence
98	John T. McNamee......	Captain...........	56	9 Magazine street
113	William T. Richardson	Lieutenant........	42	76 Antrim street
87	Benjamin McArthur ..	Private............	37	117 Magazine street
117	Morris A. Skold.........	"	30	261 Washington street
94	James H. McCabe......	"	30	247 Hampshire street
104	William F. McGrath...	"	27	143 Tremont street
114	Charles A. Sharon.....	Callman...........	63	37 Pine street
115	Lincoln E. Wheeler....	"	69	16 Columbia street
103	Albert Smith	"	57	83 Plymouth street

LADDER CO. NO. 4 AND COMBINATION WAGON

Wyeth Square

Ordinary ladder truck, drawn by two horses; equipped with 340 feet of ladders; longest ladder 60-feet extension; jumping net, life lines, and all other necessary equipment. Put in service 1905. Combination hose and chemical wagon, drawn by two horses; equipped with two 25-gallon tanks, 800 feet of 2½-inch hose and 200 feet of ¾-inch chemical hose. Put in service 1905.

No. of Badge	Name	Rank	Age	Residence
133	Edward F. Conroy.....	Captain...........	39	10 Mt. Auburn street
44	Redmond M. Burke....	Lieutenant........	42	22 Hadley street
9	Edward F. Kelley.....	Private............	29	51 Montgomery street
135	Bernard J. Coakley....	"	36	247 Walden street
40	John Gibson, Jr.......	"	36	114 Foster street
123	Francis V. Doyle......	"	34	10 Stearns street
132	Matthew F. Gleason...	"	40	104 Concord avenue
78	Charles A. Olson.	"	42	1 Winslow street
68	Emerill B. Beucler.....	"	24	55 Columbia street
49	George E. Lorrigan....	"	35	11 Orchard street
46	Joseph T. Vocell.......	Callman...........	46	12 Bolton street
122	Thomas J. King.......	"	34	234 Upland road

CHEMICAL ENGINE CO. NO. 1

5 Western Avenue.

Perkins chemical engine, drawn by three horses. Two 90-gallon tanks; equipped with 200 feet of 2-inch linen hose and 450 feet of ¾-inch chemical hose; has been in service since 1880. Rebuilt 1909.

No. of Badge	Name	Rank	Age	Residence
99	James T. McCabe......	Captain...........	49	17 Laurel street
11	Daniel J. O'Connell....	Engineman........	29	51 Plymouth street
73	William J. Doyle......	Private...........	39	1355 Cambridge street
64	Robert J. Buchanan...	"	41	20 Grigg street
111	Edward L. Kelley......	"	27	368 Prospect street

CHEMICAL ENGINE CO. NO. 2

Lakeview Avenue

Champion chemical engine, drawn by two horses. Two 60-gallon tanks; equipped with 300 feet of ¾-inch chemical hose, and all other necessary equipment. Put in service 1894. Rebuilt 1908.

No. of Badge	Name	Rank	Age	Residence
86	Cutler L. Vose.........	Captain...........	43	211 Lakeview avenue
130	Timothy Curran	Engineman........	42	102 Fayerweather street
74	William T. Anderson..	Private...........	32	30 Athens street
124	Garfield F. Eagleston..	"	33	14 Farwell place
48	George A. Regan......	"	29	84 Pemberton street

FIRES AND ALARMS

FROM APRIL 1, 1911, TO APRIL 1, 1912

April, 1911

Saturday, April 1, 8.18 A. M. Box 54

No. 19 Sibley street. Owned by Lawrence Hughs. Loss, $700. Insurance, $900. Occupied by Clementine Freeman as dwelling. Loss, $100. Not insured. Cause, rats and matches under roof.

Saturday, April 1, 3.49 P. M. Box 15

Commercial avenue. Owned by John Scully as unoccupied tool house. Loss, $100. Not insured. Cause, set afire by children.

Sunday, April 2, 12.12 P. M. Box 27

No. 80 State street. Owned by Blacker & Shepard. No loss. Occupied by Blacker & Shepard as boiler room. No loss. Cause, shavings on floor took fire.

Sunday, April 2, 12.39 P. M. Box 73

Off Yerxa road. Grass fire.

Sunday, April 2, 3.30 P. M. Still Alarm

No. 4 Fayerweather Street. Owned and occupied by Charles Carruth as dwelling. No loss. Cause, chimney fire.

Monday, April 3, 7.26 P. M. Box 361

No. 133 Pleasant Street. Owned by John Poindexter. Loss, $209.50. Insurance, $2,500. Occupied by James Nelson as dwelling. Occupants moved away, unable to get loss. Fire in clothes closet. Cause, careless use of lamp.

Tuesday, April 4, 9.54 A. M. Box 56

Off Mt. Auburn Street. Grass fire near hospital.

Friday, April 7, 10.33 P. M. Still Alarm

No. 6 Whitney Place. Owned by A. P. Morse estate. Occupied by J. L. P. Ackers as paint shop. Loss trifling. Cause, oily rags in stove.

Sunday, April 9, 2.28 A. M. Box 247

No. 89 Portland Street. Owned by Wm. Holden. Loss, $218.75. Insurance, $1,000. Occupied by Jacob Smith as grocery. Loss, $303. Insurance, $600. Cause unknown.

Sunday, April 9, 5.13 A. M. Box 31

No. 891 Main Street. Owned by Philips Bros. Loss, $3,266. Insurance, $4,500. Occupied by Charles Olen as furniture store. Loss, $1,675. Insurance, $2,000. Originated in first floor. Cause unknown.

Tuesday, April 11, 8.43 A. M. Still Alarm

No. 394 Harvard Street. Owned by Delta Upsilon Society. No loss. Cause, chimney fire.

Wednesday, April 12, 12.27 P. M. Box 291

No. 236 Webster Avenue. Owned by Atlas Skinner. Loss, $175. Insurance, $600. Occupied by M. H. Johnson as a dwelling. Loss, $285. Insurance, $1,000. Cause, stepping on match on floor.

Wednesday, April 12, 5.34 P. M. Box 241

No. 110 Portland Street. Owned and occupied by Boston Woven Hose and Rubber Company. Loss trifling. Cause, metal in grinding mill caused friction.

Wednesday, April 12, 11.30 P. M. Still Alarm

No. 24 Pelham Street. Owned by McCue & Nidison. Loss trifling. Occupied by Backner & Oxner as brass foundry. Loss trifling. Cause, melting pot set fire to floor.

Thursday, April 13, 6.50 P. M. Still Alarm

No. 34 Fairmount street. Owned by John Sheefe. No loss. Occupied by Wm. Forbes as dwelling. Loss trifling. Cause, careless dropping fire in wood box.

Saturday, April 15, 9.44 P. M. Box 291

No. 942 Cambridge Street. Owned by Lois Levy. Loss, $89. Insurance, $2,000. Occupied by H. Rosenberg as barber shop. Loss trifling. Cause, rats and matches in partition.

Sunday, April 16, 3.18 A. M. Still Alarm.

No. 250 Walden Street. Owned by F. X. Massie. No loss. Occupied by A. Shuman as barber shop. No. loss. Cause, careless dropping cigarette in paper.

Tuesday, April 18, 1.30 P. M. Still Alarm.

Fresh Pond Park. Grass fire.

Tuesday, April 18, 4.28 P. M. False Alarm

Wednesday, April 19, 1.30 A. M. Box 13

Bridge Street. Owned by B. & M. R. R. Building being demolished. Cause unknown. Box 137. Alarm for same fire as from Box 13.

Wednesday, April 19, 11.48 A. M. Box 25

No. 11 Broadway. Owned by Annie Stewart. Loss, $50. Insurance, $3,000. Occupied by Annie Stewart as dwelling. Loss, $100. No insurance. Cause, sparks from chimney burned through roof.

Thursday, April 20, 5.03 P. M. Box 52

No. 7 Gerry Street. Owned by Nutting estate. Loss, $90. Insurance, $1,000. Occupied by Mary Albro as dwelling. No loss. Cause, hot ashes on floor.

Friday, April 21, 3.06 P. M. Box 78

No. 40 Magoon Street. Owned by James Roach estate. Loss, $150. Insurance, $1,000. Occupied by Wm. Reid as dwelling. Loss, $172.81. Insurance, $600. Cause, mice and matches in closet.

Friday, April 21, 6.49 P. M. Box 32

Albany Street. Dump fire.

Friday, April 21, 8.51 P. M. Box 78

No. 2519 Massachusetts Avenue. Owned by George Barnard. Loss, $85. Insurance, $3,000. Occupied by John O'Reilly as dwelling. Loss, $50. Insurance, $300. Cause, careless dropping fire on bed.

Sunday, April 23, 9.21 P. M. Box 27

No. 55 Moore Street. Owned by S. Cunningham. Loss trifling. Occupied by Tashjian as dwelling. Loss, $57. Insurance, $1,000. Cause, child set fire to bed.

Monday, April 24, 4.28 P. M. Still Alarm

No. 150 Broadway. Owned by Henry Thayer Co. Loss, $130. Insurance, $20,000. Occupied by Henry Thayer Co. as factory. Loss, $30. Insurance, $60,000. Cause, gas light set fire to alcohol vat.

Tuesday, April 25, 5.47 A. M. Box 13

No. 149 Bridge Street. Owned by B. & M. R. R. as unoccupied dwelling. Loss trifling. Cause unknown. Building being torn down.

Tuesday, April 25, 1.30 P. M. Box 13

No. 8 Gore Street. Owned by Charles Fine. Loss, trifling. Occupied by Mary Rose as dwelling. Loss trifling. Cause, rubbish in cellar set afire by some person unknown.

Tuesday, April 25, 3.20 P. M. Still Alarm.

No. 8 Gore Street. Owned by Charles Fine. Loss, $28. Insurance, $1,500. Occupied by Mary Rose as dwelling. Loss trifling. Cause, incendiary fire in bedroom.

Wednesday, April 26, 1.07 P. M. Still Alarm

Nutting Place. Owned by University Press. No loss. Cause, grass fire near shed.

Wednesday, April 26, 3.25 P. M. Box 7

No. 16 White Street. Owned and occupied by A. Moll as garage. Loss trifling. Cause, children set fire outside building.

Thursday, April 27, 11.48 A. M. Still Alarm

No. 140 Garden Street. Owned by L. Guerinean. Loss trifling. Occupied by John Rasley as dwelling. No loss. Cause, sparks from street roller onto roof.

Thursday, April 27, 12.45 P. M. Still Alarm

No. 394 Harvard Street. Owned by Delta Upsilon Society. Occupied by C. C. Hall as dwelling. No fire. Cause, smoke from stove.

Thursday, April 27, 1.25 P. M.

Engine No. 4 responded to Somerville. Box 412.

Thursday, April 27, 2.00 P. M. Box 342.

No. 167 Brookline Street. Owned by Lillian Smith. Loss trifling. Occupied by J. Kluver as rabbit house. Loss trifling. Cause, children playing with matches.

Thursday, April 27, 7.00 P. M. Box 241.

No. 46 Bigelow Street. Owned and occupied by J. M. Robbins as dwelling. Loss trifling. Cause, gas light set fire to curtain.

Saturday, April 29, 9.50 A. M.

Ladder No. 2 responded to Somerville. Box 21.

Saturday, April 29, 12.26 P. M. Still Alarm.

Grass fire off Mt. Auburn Street.

Saturday, April 29, 9.40 P. M. Box 37

River Street. Automobile took fire. Owned by Wm. J. Driscoll. Loss, $75. No insurance.

May, 1911

Monday, May 1, 7.40 A. M. Box 247.

No. 11 Burleigh Street. Owned by Brooks estate. No fire. Smoke from stove mistaken for fire.

Monday, May 1, 3.35 P. M. Still Alarm

No. 22 Garden Street. Owned by G. H. Brown. Loss trifling. Occupied by F. Kendell as dwelling. No loss. Cause, boys playing with matches under piazza.

Monday, May 1, 4.30 P. M. Still Alarm

Putnam Avenue. Dump fire.

Tuesday, May 2, 12.55 A. M. Box 371.

Albrow Street. Owned by City of Cambridge. Loss, $3,000. No insurance. Occupied by Riverside Boat Club as clubhouse. Loss, $3,500. Insurance, $2,850. Cause, supposed careless dropping fire in waste paper. Second alarm for same fire 1.07 A. M. Coal shed owned by Cambridge Electric Light Co. Loss, $928. Insurance, $928. Factory owned by American Storage Battery Co. Loss, $600. Insurance, $10,000. Cause, exposure from boat house fire.

Tuesday, May 2, 1.20 P. M. Box 245

Deacon Street. Owned by F. L. Hayden. Loss, $700. Insurance, $700. Occupied by F. L. Hayden as charcoal mill. Loss, $2,000. Insurance, $800. Cause, sparks from dump set fire to building.

Tuesday, May 2, 11.55 P. M. Still Alarm

Massachusetts Avenue. Owned by Harvard Garage Co. Loss trifling. Cause, automobile took fire.

Tuesday, May 2, 2.20 P. M. Still Alarm

Near 9th Street. Owned by B. & M. R. R. Loss trifling. Cause, carload of charcoal on fire.

Tuesday, May 2, 2.42 P. M. Box 684

Raymond Street. Owned by City of Cambridge. Loss, $100. No insurance. Cause, sparks from dump set fire to shed.

Tuesday, May 2, 7.45 P. M. Still Alarm

Putnam Avenue and Magazine Street. Cause, electric wires set fire to tree.

Tuesday, May 2, 5.34 P. M. Box 42

No. 20 Highland Avenue. Owned and occupied by G. H. Howard as stable. Loss, $50. Insurance, $2,500. Cause, burning rubbish in yard set fire to building.

Wednesday, May 3, 11.38 A. M. Box 281

No. 277 Broadway. Owned by J. L. Norris. Loss trifling. Occupied by D. M. Smith as shed. Loss trifling. Cause, careless smoking.

Wednesday, May 3, 4.36 P. M. Box 21

No. 41 Jefferson Street. Owned by Anna Scott. Loss, $10. Insurance, $1,500. Occupied by Peter Gallagher as dwelling. Cause, fire set outside of house by children.

Wednesday, May 3, 8.18 P. M. Box 432

No. 34 Soden Street. Owned by John Poindexter. Loss, $50. Insurance, $2,000. Occupied by James Ashby as dwelling. Loss, $13.88. Insurance, $500. Cause, lamp exploded.

Thursday, May 4, 9.20 A. M. Still Alarm

No. 134 Third Street. Owned by Edward Sullivan. Loss trifling. Occupied by E. Stewart as dwelling. Cause, rats in partition.

Thursday, May 4, 12.11 P. M. Box 271

Rear 640 Main Street. Rubbish and railroad ties. Cause, supposed sparks from locomotive.

Friday, May 5, 8.23 P. M. Box 13

No. 12 Second Street. Owned by Fred Pennel. No loss. Occupied by Joseph Crabill as dwelling. No loss. Cause, oil stove took fire.

Sunday, May 7, 8.20 A. M. Box 67

No. 195 Huron Avenue. Owned by J. F. O'Brien as ash barrel. No loss. Cause, hot ashes in barrel.

Sunday, May 7, 5.50 P. M. Still alarm.

No. 3 Harvard Street. Owned by S. Sousa as ash barrel. Cause, hot ashes in barrel.

Wednesday, May 10, 3.25 P. M. Box 191

No. 74 Sixth Street. Owned by Luke Viola. Loss, $11. Insurance, $15. Occupied by Luke Viola as dwelling. Loss, $25. Insurance, $300. Cause, child set fire to bed.

Friday, May 12, 8.34 A. M. Box 27

No. 9 Harrison Street. Owned by Brooks estate. Loss, $25. Insurance, $5,000. Occupied by Hans Chalfen as dwelling. No loss. Cause, oil stove took fire.

Friday, May 12, 10.10 A. M. Still Alarm

No. 104 Willow Street. Owned by R. B. Plummer. Loss, $18. Insurance, $20,000. Occupied by Mary Tashjain as dwelling. Loss, $65. Insurance, $500. Cause, child set fire to couch.

Friday, May 12, 3.51 P. M. Box 282

Rear 220 Washington Street. Cause, fence took fire from burning rubbish.

Friday, May 12, 7.43 P. M. Still Alarm.

Putnam Avenue dump fire.

Friday, May 12, 10.44 P. M. Box 25

Amherst Street. Owned by Fred Fiske. Loss trifling. Cause, oil and paint outside of building.

Saturday, May 13, 8.25 A. M. Still Alarm

Deacon Street. Owned and occupied by City of Cambridge as incinerator. No loss. Cause, paper on floor took fire.

Saturday, May 13, 8.39 A. M. Box 13.

No. 7 Second Street. Owned by Mary J. Burt. Loss, $10. Insurance, $1,300. Occupied by Mary Almeda as dwelling. No loss. Cause, over-heated stove pipe.

Saturday, May 13, 10.15 A. M. Box 28

No. 139 Columbia Street. Owned by Roso Walfoget. Loss, $259. Insurance, $2,000. Occupied by M. Rashkowitz as dwelling. Loss, $238. Insurance, $700. Cause, child set fire in closet.

Saturday, May 13, 2.19 P. M. Box 21

No. 47 Jefferson Street. Owned by Michael Tierney. Loss, $10. Insurance, $1,500. Occupied by Michael Tierney as dwelling. Loss, $12. Insurance, $500. Cause, child set fire in closet.

Saturday, May 13, 4.35 P. M. Still Alarm

Rear No. 24 Palmer Street. Cause, rubbish in yard.

Sunday, May 14, 11.48 A. M. Box 31

No. 430 Massachusetts Avenue. Owned by F. A. Kennedy estate. Loss, $280. Insurance, $55,000. Occupied by several families as dwelling. No loss. Cause, careless dropping fire in cellar.

Sunday, May 14, 2.45 P. M. Box 282

No. 49 Cherry Street. Owned by Fred J. Clark. No loss. Cause, hot ashes in barrel.

Sunday, May 14, 8.52 P. M. Box 511

No. 106 Winthrop Street. Owned by Delaney & O'Hara as unoccupied dwelling. Loss, $100. Insurance, $1,500. Cause, incendiary.

Monday, May 15, 7.52 P. M. Box 381

No. 23 Howard Street. Fence on fire from burning rubbish.

Monday, May 15, 10.15 P. M. Still Alarm

Pleasant Street dump fire.

Tuesday, May 16, 10.37 A. M. Box 31

No. 1 Coolidge Place. Owned by Rogers estate. Loss, $50. Insurance, $100,000. Occupied by several families as dwelling. No loss. Cause, sparks from chimney on roof.

Tuesday, May 16, 7.23 P. M. Still Alarm

No. 545 Cambridge Street. Owned by R. J. McKelleget. Loss, $20. Insurance, $8,000. Occupied by James Welch as dwelling. No loss. Cause, children set fire on sill of house.

Wednesday, May 17, 9.10 A. M.

Engine No. 5 responded to Somerville. Box 219.

Wednesday, May 17, 11.43 A. M. Box 23

No. 29 Webster Avenue. Owned by Harry Canter. Loss, $75. Insurance, $5,000. Occupied by Harry Canter as dwelling. Loss, $75. Insurance, $500. Cause, child set fire in closet.

Wednesday, May 17, 2.06 P. M. Box 291

No. 414 Columbia Street. Owned by Squire's estate as dwelling. Loss, $75. Insurance, $500. Cause, boys set fire to ash barrel against house.

Thursday, May 18, 4.04 P. M. Box 36

Magazine Street. Automobile owned by E. B. Hale. Loss trifling.

Saturday, May 20, 3.42 A. M.

Engine No. 5 responded to Somerville. Box 224.

Saturday, May 20, 7.25 A. M. Still Alarm

Massachusetts Avenue, cor Rindge Avenue. Automobile took fire.

Saturday, May 20, 12.19 P. M. Box 471

No. 32 Grant Street. Owned by John Doyle. No loss. Occupied by Mary Shehan as dwelling. Loss trifling. Cause, overturned lamp.

Saturday, May 30, 11.25 P. M. Box 121. False Alarm

Sunday, May 21, 7.30 A. M. Box 453

No. 100 Putnam Avenue. Owned by W. G. Shilliber. No loss. Occupied by E. Landigua as dwelling. No loss. Cause, chimney fire.

Sunday, May 21, 8.59 P. M. Box 215.

No. 25 Warren Street. Owned by Joseph Mancila. Loss trifling. Occupied by John Nemochio as dwelling. Loss trifling. Cause, oil lamp exploded.

Monday, May 22, 12.24 P. M. Box 43

No. 5 Center Street. Occupied by C. J. Cotton. No loss. Cause, hot ashes in box.

Monday, May 22, 8.02 P. M. Box 32

Sidney Street. Dump fire.

Tuesday, May 23, 8.28 A. M. Box 434.

No. 116 Kinnaird Street. Owned and occupied by Daniel O'Leary as dwelling. No loss. Cause, chimney fire.

Wednesday, May 24, 8.48 A. M. Box 434

No. 503 Franklin Street. Owned by Julia Rottenberg. Loss, $75. Insurance, $2,500. Occupied by Samuel Zorakov as dwelling. Loss, $50. Insurance, $500. Occupied by Samuel Zorakov as store. Loss, $150. Insurance, $1,250. Cause, child set fire to bed.

Wednesday, May 24, 1.55 A. M. Still Alarm

No. 8 Sagamore Street. Owned and occupied by W. L. Cutler as dwelling. Cause, house struck by lightning. No fire.

Wednesday, May 24, 11.15 P. M. Still Alarm

Massachusetts Avenue, corner Douglass Street. Rubbish barrel.

Thursday, May 25, 6.22 P. M. Box 34

No. 19 Chestnut Street. Owned and occupied by North American Chemical Co. as factory. Loss trifling. Cause, overheated smoke pipe.

Friday, May 26, 8.45 P. M. Still Alarm

No. 9 Elmwood Avenue. Owned and occupied by James G. Greenough as dwelling. No loss. Cause, chimney fire.

Saturday, May 27, 9.49 P. M. Box 29

No. 329 Norfolk Street. Owned and occupied by D. H. Milligan as dwelling. No fire. Cause, smoke in room from chimney.

Sunday, May 28, 9.52 A. M. Still Alarm

No. 8 Tenney Street. Owned and occupied by Nora G. Gordan as dwelling. Loss, $150. Insurance, $3,500. Loss on contents, $3.00. Insurance, $1,000. Cause, child set fire in clothes closet.

Monday, May 29, 8.51 A. M. Box 14

No. 87 Third Street. Owned by S. L. Hazard. Loss, $20. Insurance, $4,000. Occupied by K. McCharles as dwelling. Loss, $35. Insurance, $2,000. Cause, snap match on bed.

Tuesday, May 30, 8.27 P. M. Box 191

No. 111 Fifth Street. Owned by Wm. Cutter. No loss. Occupied by John O'Connor as dwelling. Loss trifling. Cause, hanging lamp took fire.

June, 1911

Friday, June 2, 2.37 P. M. Box 129

No. 1054 Cambridge Street. Owned by Wolfe Kruger. Loss, $140. Insurance, $15,000. Occupied by Dennis Kelley as dwelling. Loss, $100. No insurance. Cause, careless dropping fire in clothes closet.

Saturday, June 3, 4.30 P. M. Still alarm

Sidney Street. Dump fire.

Monday, June 5, 1.37 P. M. Box 54

No. 199 Mt. Auburn Street. Owned by John F. O'Brien. Loss trifling. Occupied by Fred C. Williams as dwelling. No loss. Cause, children set fire to rubbish in cellar.

Tuesday, June 6, 4.53 P. M. Box 39

No. 130 Austin Street. Owned by Frank Emerson. Loss trifling. Occupied by M. Archibald as dwelling. No loss. Cause, hot ashes in barrel.

Tuesday, June 6, 6.55 P. M. Still alarm

No. 307 Main Street. Owned by C. H. Peters. Loss, $25. Insurance, $10,000. Occupied by Michael Donahue as dwelling. Loss, $75. Insurance, $500. Cause, careless dropping match in clothes closet.

Friday, June 9, 11.57 A. M. Box 134

Second and Vine Street. Owned by Horace Bickford et al. as unoccupied machine shop. No claim made. Cause, set afire by boys.

Friday, June 9, 3.09 P. M. Box 247

No. 46 Washington Street. Owned by Rogers estate. Loss trifling. Occupied by J. McCormack as dwelling. Loss trifling. Cause, careless dropping fire in wood behind stove.

Saturday, June 10, 9.25 A. M. Box 294

No. 1 Union Place. Owned by Mr. Dixon. No loss. Occupied by Dennis Desmond as dwelling. No loss. Cause, children set fire to rubbish in cellar.

Sunday, June 11, 4.55 P. M. Box 36

No. 142 Pearl Street. Owned by Ida M. Pierce. Loss trifling. Occupied by F. E. Williams as dwelling. Loss trifling. Cause, mice and matches in drawer.

Monday, June 12, 7.35 A. M.

Engine No. 5 responded to Somerville Box 219.

Monday, June 12, 4.25 P. M. Still alarm

Accidental automatic alarm from 21 Thorndike Street.

Tuesday, June 13, 4.35 P. M. Still alarm

No. 58 Highland Street. Owned by Wm. H. Dunbar. No loss. Occupied by Edwin E. Gray as dwelling. No loss. Chimney fire.

Wednesday, June 14, 1.30 P. M. Box 18

No. 165 Charles Street. Owned by Dominic Ferreira. Loss, $15. Insurance, $2,000. Occupied by Lois Ferreira as dwelling. Loss, $45. Insurance, $500. Cause, careless dropping fire on bed.

Wednesday, June 14, 4.13 P. M. Box 27

Rear 223 Massachusetts Avenue. Owned and occupied by E. & R. Laundry. Loss trifling. Cause, friction in machine ignited gasoline.

Thursday, June 15, 5.57 P. M. Box 31

No. 1 State Street. Owned by Waugh estate. Loss, $200. Insurance, $3,500. Occupied by W. S. Sendeman as garage. Loss, $725. Insurance, $2,700. Cause, man smoking while cleaning automobile.

Thursday, June 15, 7.45 P. M. Still alarm

Engine No. 3 responded to Somerville Box 113.

Thursday, June 15, 7.57 P. M. Still alarm

No. 45 Mt. Vernon Street. Owned and occupied by E. A. Jameson. No loss. Cause, kettle of tar boiled over.

Friday, June 16, 8.35 P. M. Box 78

Off Washburn Street. Bonfire.

Friday, June 16, 9.04 P. M. Still alarm

Corner Bent and Sixth Streets. Bonfire.

Saturday, June 17, 3.04 A. M. Box 381

No. 317 Western Avenue. Owned by Catherine F. Nelson. Loss, $400. Insurance, $1,000. Occupied by J. Adelman as variety store. Loss, $300. Insurance not allowed. Cause, boys throwing fire onto fireworks in window.

Box 453. Alarm for same fire as from Box 381.

Saturday, June 17, 12.55 A. M.

Ladder No. 2 responded to Somerville Box 21.

Saturday, June 17, 2.20 A. M.

Ladder, No. 2 responded to Somerville Box 24.

Saturday, June 17, 2.25 P. M. Box 28

No. 156 Norfolk Street. Owned by Asa Lamson. Loss, $5. Insurance, $500. Cause, fire crackers on roof.

Saturday, June 17, 3.48 P. M. Still alarm

Engine No. 4 called to No. 14 White street, Somerville.

Saturday, June 17, 8.08 P. M. Box 284

No. 33 Norfolk Street. Owned by L. M. Hannum. Loss, $15. Insurance $3,000. Occupied by William Romkey as dwelling. Loss, $15. Insurance, $1,000. Cause, fire cracker thrown through window onto curtain.

Saturday, June 17, 9.15 P. M. Still alarm

No. 72 Lawn Street. Qwned and occupied by F. J. Techa as dwelling. Loss, $35. Insurance, $1,000. Cause, fire crackers on roof.

Sunday, June 18, 3.44 P. M. Box 361

No. 17 Rockwell Street. Owned by Joseph Angelo. Loss, $62.50. Insurance, $1,500. Occupied by Joseph Angelo as dwelling. Loss, $351.25. Insurance, $500. Cause, child set fire in closet.

Sunday, June 18, 11.37 P. M. Still alarm

Fenno Street. Rubbish fire.

Sunday, June 18, 4.15 P. M. Still Alarm

Pleasant Street. Dump fire.

Sunday, June 18, 7.49 P. M. False alarm

Sunday, June 18, 8.20 P. M. Still alarm

Randolph Hall. Owned by Harvard University as dormitory. Cause, chimney fire.

Monday, June 19, 10.43 P. M. Box 271. False alarm

Tuesday, June 20, 9.35 A. M. Still alarm

No. 310 Main Street. Owned and occupied by Samuel Rose as planing mill. No loss. Cause, shavings on floor of boiler room.

Wednesday, June 21, 8.30 A. M.

Accidental automatic from Irvin and Casson mill.

Wednesday, June 21, 1.35 P. M. Box 29

No. 1156 Cambridge Street. Owned by John W. Flynn. Loss, $905. Insurance, $4,000. Occupied by John W. Flynn as dwelling. Loss, $200. Insurance, $1,000.

No. 1158 Cambridge Street. Occupied by Nathan Adams as furniture store. Loss, $1,500. Insurance, $1,900. Cause, spontaneous in oily rags.

Wednesday, June 21, 8.40 P. M. Still alarm

No. 231 Putnam Avenue. Owned by Mary Downs as blacksmith shop. Unoccupied. Loss trifling. Cause, set afire by boys.

Wednesday, June 21. Still alarm

No. 300 Broadway. Owned by L. J. Russell as factory. Cause, smoke from chimney. No fire.

Wednesday, June 21, 11.03 P. M. Box 247

No. 557 Main Street. Owned by Rogers estate. Loss trifling. Occupied by Frank Urbon as dwelling. Loss, $50. No insurance. Cause, careless smoking in bed.

Thursday, June 22, 12.32 A. M. Still alarm

No. 97 Mt. Auburn Street. Owned by Reed estate. Loss, $50. Insurance, $5,250. Occupied by Phœnix Club as club house. Loss trifling. Cause, cigarette thrown from window on to awning.

Thursday, June 22, 10.35 A. M. Box 85

No. 333 Huron Avenue. Owned by M. F. Whooly. Loss, $175. Insurance, $5,000. Occupied by M. F. Whooly as dwelling. Loss, $25. Insurance, $1,000. Cause, sparks from chimney on roof.

Thursday, June 22, 8.20 P. M. Box 15

Off Commercial Avenue. Owned by John T. Scully as unoccupied shed. Loss trifling. Cause, set afire by boys.

Friday, June 23, 7.30 P. M. Still alarm

Fire in Brighton. Boathouse burning.

Saturday, June 24, 8.59 A. M. Box 361

No. 306 Allston Street. Owned by Mary E. Devrin as dwelling. Loss, $25. Insurance, $1,200. Cause, sparks from chimney on roof.

Saturday, June 24, 7.30 P. M. Still alarm

Brookline Street Bridge. Loss trifling. Cause, sparks from dump fire.

Saturday, June 24, 5.50 P. M. Box 134

Cor. Second and Vine Streets. Owned by Horace Bickford as unoccupied machine shop. Loss trifling. Cause, set afire by boys.

Sunday, June 25, 12.25 P. M. Still Alarm

Brookline Street Bridge. Cause, sparks from dump fire.

Monday, June 26, 7.35 P. M. Box 15.

Off Commercial Avenue. Owned by John T. Scully as unoccupied shed. Loss trifling. Cause, set afire by boys.

Tuesday, June 27, 11.20 P. M. Box 381

No. 25 Jay Street. Owned by Pioneer Commercial Co. Loss, $20. Insurance, $2,500. Occupied by Wm. Jackson as dwelling. No loss. Cause, rats and matches in partition.

Wednesday, June 28, 9.40 P. M. Still alarm

No. 2070 Massachusetts Avenue. Owned by Daniel O'Connell. Loss trifling. Occupied by George Mosier as dwelling. No loss. Cause, sparks from chimney on roof.

Friday, June 30, 12.25 A. M. Still alarm

No. 893 Main Street. Owned by L. F. Whitney. No loss. Occupied by S. Swartz as furniture store. No loss. Cause, cigar thrown in sawdust spittoon.

July, 1911

Saturday, July 1, 4.45 P. M. Still alarm

Off Huron Avenue. Grass fire.

Saturday, July 1, 7.42 P. M. Still alarm

Raymond Street. Dump fire.

Sunday, July 2, 7.49 A. M. Box 215

No. 431 Portland Street. Owned by Lois Sandhman. No fire. Cause, leak in gas pipe.

Sunday, July 2, 9.00 P. M. Still Alarm

Mt. Auburn Street. Owned by United States Column Co. as automobile garage. Loss, $150. Insurance, $1,000. Cause, automobile tank took fire.

Sunday, July 2, 11.17 P. M. Still Alarm.

No. 11 Prospect Street. Owned by J. M. Robbins as awning on building. Loss, $50. Insurance, $20,000. Cause, careless throwing fire on awning.

Monday, July 3, 5.50 P. M. Still Alarm

No. 169 Bridge Street. Owned and occupied by Charles Fine as dwelling. No loss. Cause, insulation burned from wire.

Monday, July 3, 6.35 P. M. Still Alarm

Pleasant Street. Dump fire.

Monday, July 3, 6.55 P. M. Still Alarm

Spring Street. Tree took fire from wire.

Monday, July 3, 7.39 P. M. Box 7

No. 26 Porter Road. Owned by Bernard McDermott as automobile. Loss, $485. Insurance, $1,000. Cause, automobile tank took fire.

Monday, July 3, 10.31 P. M. Box 233

No. 114 Clark Street. Owned by George Coolidge. Loss, $15. Insurance, $1,750. Occupied by Charlotte Wilson as dwelling. No loss. Cause, firecracker on roof.

Monday, July 3, 10.45 P. M. Still Alarm

River Street. Rubbish in street.

Monday, July 3, 10.53 P. M. Box 25

No. 173 Main Street. Owned by Bay State Fuel Co. Loss, $35. Insurance, $11,000. Occupied by E. Spalold as dwelling. Loss, $10. No insurance. Cause, firecracker on awning.

Monday, July 3, 11.22 P. M. Still Alarm

Near Cambridge Street. Owned by B. & A. R. R. as road ties. Cause, set afire by boys.

Monday, July 3, 11.30 P. M. Still Alarm

Hayes Street. Bonfire.

Monday, July 3, 11.45 P. M. Still Alarm

Franklin Street. Bonfire.

Tuesday, July 4, 12.45 A. M. Still Alarm

No. 420 Huron Avenue. Owned by Edward McCabe as shed. Loss trifling. Cause, set afire by boys.

Tuesday, July 4, 1.30 A. M. Box 434. False Alarm.

Tuesday, July 4, 4.20 A. M. Still Alarm

Regent Street. Bonfire.

Tuesday, July 4, 1.00 P. M. Still Alarm

Montgomery Street. Rubbish in street.

Tuesday, July 4, 1.52 P. M. Box 73

No. 113 Rindge Avenue. Owned by Edward Dyer as barn. Loss trifling. Cause, careless dropping fire in dust under floor.

Tuesday, July 4, 8.15 P. M. Still Alarm

No. 106 Winthrop Street. Owned by Delaney & O'Hara as unoccupied dwelling. Loss, trifling. Cause, firecracker on roof.

Tuesday, July 4, 10.07 P. M. Still Alarm

No. 442 Massachusetts Avenue. Owned by F. A. Kennedy estate. Loss trifling. Occupied by H. W. Berry as furniture store. No loss. Cause, careless throwing fire on window sill.

Tuesday, July 4, 10.21 P. M. Still Alarm

Walden Street. Dump fire.

Wednesday, July 5, 12.17 A. M. Box 461

No. 595 Franklin Street. Fence fire.

Wednesday, July 5, 6.50 A. M. Box 27

No. 8 Moore Street. Owned by Brooks estate. Loss, $25. Insurance, $6,000. Occupied by O. Mazmannian as dwelling. No loss. Cause, careless dropping fire in wood in closet.

Wednesday, July 5, 9.11 P. M. Box 126

No. 291 Cambridge Street. Owned by Geo. F. Wentworth. Loss, $186.50. Insurance, $2,500. Occupied by M. Fousilo as dwelling. Loss, $75. No insurance. Cause, spontaneous combustion in paint pots in attic.

Thursday, July 6, 2.31 P. M. Box 21

Rear No. 799 Cambridge Street. Fence fire set afire by boys.

Friday, July 7, 6.35 A. M.

Accidental automatic from Ivers & Pond.

Friday, July 7, 11.43 A. M. Box 28

No. 3 Norfolk Place. Owned by James Hopkins estate. Loss, $40. Insurance, $1,700. Occupied by Joseph Morrison as dwelling. No loss. Cause, sparks from chimney on roof.

Friday, July 7, 11.46 A. M. Box 432

No. 390 Franklin Street. Owned and occupied by Humphrey Sullivan as dwelling. Loss trifling. Cause, boys threw fire in cellar window into rubbish.

Friday, July 7, 1.15 P. M. Box 78

Alarm for fire in Somerville.

Friday, July 7, 4.50 P. M. Box 381

No. 27 Howard Street. Owned by Mary J. Carew. No loss. Occupied by Edith Ferrier as dwelling. Loss trifling. Cause, towels over stove took fire.

Monday, July 10, 5.11 P. M. Box 462

No. 151 Massachusetts Avenue. Owned by Walter Calkins. Loss, $250. Insurance, $2,500. Occupied by P. Borgkin as dwelling. Cause, burning rubbish in yard set fire to building.

Tuesday, July 11, 8.15 A. M. Box 79

No. 4 Harvey Street. Owned and occupied by Adolph Grineer as dwelling. Loss, $25. Insurance, $4,000. Cause, careless dropping fire in wood basket.

Tuesday, July 11, 4.19 P. M. Box 191

Cor. Sixth and Ninth Street. Owned and occupied by Geopper Bros. as factory. Loss trifling. Cause, boys set fire to rubbish outside building.

Wednesday, July 12, 2.37 P. M. Box 215

No. 8 Jefferson Street. Owned by Maurice Korn. Loss, $175. Insurance, $1,800. Occupied by Anthone Frodis as dwelling. Loss, $68.75. Insurance, $500. Cause, rats in partition.

Wednesday, July 12, 6.10 P. M. Box 294

No. 48 Lincoln Street. Owned and occupied by J. Harris as dwelling. Loss, $8. Insurance, $3,000. Cause, sparks from chimney on roof.

Thursday, July 13, 8.35 A. M. Still Alarm

No. 371 Portland Street. Owned by Mary Barrett. Loss, $18.50. Insurance, $6,000. Occupied by Julia French as dwelling. Loss, $25. No insurance. Cause, child set fire to couch.

Thursday, July 13, 1.00 P. M. Still Alarm

Huron Avenue. Grass fire.

Thursday, July 13, 2.25 P. M. Still Alarm

Pleasant Street. Dump fire.

Thursday, July 13, 4.53 P. M. Box 25

Rear 370 Third Street. Owned and occupied by Bay State Coal Co. Loss trifling. Cause, spontaneous combustion in soft coal.

Friday, July 14, 7.30 A. M. Box 23

Crossland Street. Owned and occupied by Curtis & Craston as garage. Loss trifling. Cause, leak from gasoline tank and careless dropping match on floor.

Friday, July 14, 10.10 A. M.

Engine No. 5 and Ladder No. 2 responded to Somerville. Box 24.

Friday, July 14, 5.55 P. M. Still Alarm

No. 1 Jay Street. Cause, smoke from stove. No fire.

Friday, July 14, 9.40 P. M. Still Alarm

Cor. Vassar and Massachusetts Avenue. Rubbish fire.

Saturday, July 15, 11.14 A. M. Box 134.

No. 21 Thorndike Street. Owned by Irving & Casson. No loss. Occupied by Joseph Josephs Co. as railroad supplies. Loss trifling. Cause, spontaneous combustion in cotton waste.

Saturday, July 15, 2.01 P. M. Box 411

No. 25 Tremont Street. Owned and occupied by Frederick Bastian as dwelling. No loss. Cause, chimney fire.

Saturday, July 15, 4.40 P. M. Still Alarm

Bridge Street. Rubbish fire.

Saturday, July 15, 10.17 P. M. Box 271. False Alarm

Sunday, July 16, 11.13 A. M. Box 74

No. 85 Bolton Street. Owned by Ellen Hayes. Loss, $15. No insurance. Occupied by Industrial Oil Co. No loss. Cause, sparks on roof from dump fire.

Sunday, July 16, 3.00 P. M. Still Alarm

Sidney Street. Dump fire.

Sunday, July 16, 4.40 P. M. Box 421. False Alarm

Sunday, July 16, 5.34 P. M. Box 43. False Alarm

Monday, July 17, 8.05 A. M. Still Alarm

Telephone call for Engine No. 4 to 45 Davenport street by some person unknown, as a joke.

Monday, July 17, 9.50 A. M. Box 381

No. 296 Western Avenue. Owned by A. J. Bennett. Loss, $295. Insurance, $4,000. Occupied by Maurice Rosenberg as dwelling. Loss, $225. Insurance, $400. Cause, child set fire in clothes closet.

Monday, July 17, 9.54 P. M. Still Alarm

Raymond Street. Dump fire.

Wednesday, July 19, 9.00 A. M.

Accidental automatic from Irving & Casson.

Wednesday, July 19, 11.52 A. M. Box 215

Parnell Street. Rubbish against fence.

Wednesday, July 19, 6.20 P. M. Box 493

No. 400 Broadway. Owned by John Elston as unoccupied dwelling. Loss, $600. Insurance, $2,000. Cause, careless smoking by workmen. Alarm from Box 42 for same as from Box 493.

Thursday, July 20, 7.54 A. M. Still Alarm

No. 32 Jefferson Street. Owned by Patrick Dooley as dwelling. Cause, chimney fire.

Thursday, July 20, 7.10 P. M. Still Alarm

No. 1302 Cambridge Street. Owned by H. Fishman. No loss. Occupied by Paul Raymond as junk shop. No loss. Cause, unknown. Fire in rags and paper.

Friday, July 21, 2.30 A. M. Still Alarm

Brookline Street. Bridge fire. Cause, careless dropping fire in sweepings.

Friday, July 21, 11.58 A. M. Box 271

No. 16 Osborn Street. Owned by Endicott estate. No loss. Occupied by C. A. Cook Co. as storage house. No loss. Cause, can of gasoline outside of building exploded.

Friday, July 21, 3.45 P. M. Still Alarm

No. 50 River Street. Owned by J. Riley. Loss trifling. Occupied by C. B. Rogers as dwelling. No loss. Cause, men working on gas pipe set fire to floor.

Friday, July 21, 4.34 P. M. Box 78

No. 2447 Masachusetts Avenue. Owned by Clark Bros. Loss, $665. Insurance, $2,500. Occupied by Simson Bros. as grocery. Loss, $1,065. Insurance, $1,200. Cause, careless dropping fire in rubbish in cellar. No. 2445. Occupied by L. S. Frost as plumber. Loss, $29.67. Insurance, $800. No. 2449. Occupied by Alvin Larson as baker. Loss, $10. Insurance, $1,500. Box 79. Alarm for same fire as from Box 78.

Saturday, July 22, 2.12 P. M. Still Alarm

No. 11 Beach Street. Owned and occupied by J. E. Connors as dwelling. Cause, house struck by lightning. No fire.

Saturday, July 22, 5.50 P. M. Still Alarm

Kirkland Street. Fence fire.

Saturday, July 22, 8.45 P. M.

Accidental automatic from National Biscuit Co.

Saturday, July 22, 10.27 P. M. Box 271. False Alarm

Monday, July 24, 8.02 P. M. Box 18

No. 105 Fourth Street. Owned by Mary McGowan. Loss trifling. Occupied by John Victora as dwelling. Loss trifling. Cause, oil lamp exploded.

Thursday, July 27, 11.19 P. M.

Accidental automatic from National Biscuit Co.

Friday, July 28, 8.45 P. M.

Engine No. 5 responded to Somerville Box 224.

Monday, July 31, 11.33 A. M. Box 723

No. 2302 Massachusetts Avenue. Owned by David Lonergan. Loss, $565. Insurance, $8,000. Occupied by C. Sincotter as fruit store. Loss, $150. Insurance, $800. Originated in cellar in rubbish. Alarm from Box 79 for same fire as from Box 723.

August, 1911

Tuesday, August 1, 11.47 A. M. Still alarm

No. 231 Putnam Avenue. Owned by Mary J. Downs as unoccupied blacksmith shop. Loss trifling. Cause, children playing with fire.

Friday, August 4, 8.39 P. M. Box 51

No. 1408 Massachusetts Avenue. Owned by Harvard University. Occupied by Charles River National Bank. Loss trifling. Cause, careless throwing fire on awning.

Monday, August 7, 10.33 P. M. Box 381. False alarm

Thursday, August 10, 2.45 P. M. Still alarm

Pleasant Street. Dump fire.

Thursday, August 10, 8.05 P. M. Still alarm

No. 2 Hampshire Street. Owned by James Mathews. No loss. Occupied by Forest Eddy as dwelling. Loss trifling. Cause, curtain took fire from lamp.

Saturday, August 12, 10.40 A. M.

Ladder No. 2 responded to Somerville Box 211.

Saturday, August 12, 12.07 P. M. Box 18

No. 229 Charles Street. Owned by Carrie Farrira. Loss trifling. Occupied by Philip Kennedy as dwelling. Loss, $15. No insurance. Cause, careless dropping fire on couch.

Saturday, August 12, 2.05 P. M. Still alarm

Montgomery Street. Rubbish on vacant land.

Saturday, August 12, 7.57 P. M. Box 29

No. 1238 Cambridge Street. Owned by Mary Heffernan. Loss, $200. Insurance, $5,000. Occupied by Abraham Berlow as shoe store. Loss, $230. Insurance, $2,000. Cause, careless dropping fire in rubbish in cellar.

Saturday, August 12, 11.20 P. M.

Engine No. 3 responded to Somerville Box 121.

Sunday, August, 13, 9.40 P. M. Still alarm

No. 50 Boylston Street. Owned by University Association. Occupied by E. Levitan as drug store. Loss, $227. Insurance, $1,500. Cause, children set fire to excelsior.

Sunday, August 13, 11.25 P. M. Still alarm

No. 14 Harvard Street. Owned by Welch estate. Loss, $10. Insurance, $1,000. Occupied by Douglass Painter as pool room. No loss. Cause, old mattress in yard set afire by boys ignited building.

Monday, August 14, 1.46 A. M. Box 16

No. 213 Third Street. Owned by Conners & Martin. No loss. Occupied by A. Rosetti as barber shop. No loss. Cause, careless dropping cigarette on floor.

Monday, August 14, 11.50 A. M. Still alarm

Kirkland Street. Grass fire.

Monday, August 14, 8.04 P. M. Still alarm

No. 231 Putnam Avenue. Owned by Mary J. Downs as unoccupied blacksmith shop. No loss. Cause, set afire by boys.

Monday, August 14, 10.43 P. M. Box 27

No. 14 Moore Street. Owned by Brooks estate. Loss, $500. Insurance, $6,000. Occupied by Margaret A. Haley as dwelling. Loss, $406.08. Insurance, $500. Cause, careless handling lamp setting fire to furniture.

Tuesday, August 15, 12.09 P. M. Box 196

North's Packing Co., Somerville. Accidental alarm from the A. D. T.

Tuesday, August 15, 12.24 P. M. Box 26

Massachusetts Avenue. Harvard Bridge. Cause, careless dropping cigar stub in sweepings.

Wednesday, August 16, 4.00 A. M. Still alarm

Cor. Third and Gore Streets. Tree fire by electric wires.

Wednesday, August 16, 10.21 A. M. Box 54

No. 9 Dinsmore Street. Owned by John F. O'Brien as dwelling. Cause, smoke from stove. No fire.

Saturday, August 19, 10.05 A. M. Still alarm

Accidental automatic from Elliott Machine factory.

Saturday, August 19, 1.00 P. M. Still alarm

No. 1 Pelham Street. Owned and occupied by M. J. Walsh as dwelling. No loss. Cause, sparks from foundry on roof.

Sunday, August 20, 9.35 A. M. Still alarm

No. 14 Third Street. Owned by Catherine Leonard as unoccupied dwelling. Loss trifling. Cause, rubbish on floor set afire by children.

Monday, August 21, 2.55 P. M. Box 31

No. 19 Sidney Street. Owned by William McCoy. Loss, $776. Insurance, $16,000. Occupied by F. W. Anderson as dwelling. Loss, $200. No insurance. Cause, towels over stove took fire.

Monday, August 21, 8.08 P. M. Still alarm

Rear 2495 Massachusetts Avenue. Owned by Mathias Berry as unoccupied barn. Loss trifling. Cause, set afire by boys playing with fire.

Tuesday, August 22, 6.58 P. M. Box 361

No. 144 Pleasant Street. Owned and occupied by E. Curry as dwelling. Loss, $65. Insurance, $1,000. Cause, lamp exploded.

Wednesday, August 23, 12.09 A. M. Box 195

No. 164 Gore Street. Owned by Miles Taintor. Loss trifling. Occupied by Jeremiah Murphy as dwelling. Loss, $5. No insurance. Cause, smoking in bed.

Wednesday, August 23, 4.30 P. M. Still alarm

No. 231 Putnam Avenue. Owned by Mary J. Downs as unoccupied blacksmith shop. No loss. Cause, set afire by boys.

Wednesday, August 23, 11.12 P. M. Box 51

No. 24 Palmer Street. Owned by Chapman estate. Loss, $300. Occupied by R. W. Muzzey as paint shop. Loss, $300. No insurance. Cause, spontaneous combustion in paint and oil.

No. 26 Palmer Street. Owned by Charles H. Lake. Loss, $250. Insurance, $3,500. Occupied by Fred Hayden as paint shop. Loss, $30. Insurance, $400. Cause, exposure from No. 24.

Saturday, August 26, 4.15 A. M. Box 69

No. 32 Arlington Street. Owned and occupied by F. H. Davis as dwelling. Loss trifling. Cause, painter's naphtha stove took fire.

Sunday, August 27, 2.55 A. M. Box 191

No. 164 Thorndike Street. Owned by Anna M. Doody. Loss, $300. Insurance, $2,000. Occupied by Anna M. Doody as variety store. Loss, $100. Insurance, $100. Cause, mice and matches.

Tuesday, August 29, 12.02 A. M. Still alarm

Cor. Windsor Street and Broadway. Tree fire.

Wednesday, August 30, 8.37 P. M. Still alarm

No. 265 Main Street. Owned by J. E. Litter. Loss trifling. Occupied by Annie Sumner as dwelling. Loss trifling. Cause, overturned lamp.

September, 1911.

Friday, September 1, 7.30 A. M.

Accidental automatic from National Biscuit Co.

Friday, September 1, 3.45 P. M. Still alarm

No. 50 Garden Street. Owned and occupied by J. F. Gray as dwelling. Cause, smoke from chimney in rooms.

Tuesday, September 5, 7.24 P. M.

Engine No. 5 responded to Somerville Box 23.

Wednesday, September 6, 5.36 P. M. Still alarm

No. 301 Prospect Street. Owned by Henry Rosen. Pile of lumber set afire by boys.

Wednesday, September 6, 7.44 P. M. Box 12

No. 8 Winter Street. Owned by Charles Linehan. No loss. Occupied by Sarah O'Brien as dwelling. Loss trifling. Cause, overturned lamp.

Thursday, September 7, 6.53 P. M. Box 18

No. 132 Fifth Street. Owned by Manuel J. Sears. Cause, burning straw in yard.

Friday, September 8, 4.10 A. M. Still alarm

No. 12 Garden Street. Owned and occupied by Caroline Norcross as dwelling. No loss. Cause, careless dropping fire in paper in cellar.

Friday, September 8, 9.00 A. M. Still alarm

No. 45 Mt. Vernon Street. Owned and occupied by E. A. Jameson as dwelling. No fire. Cause, smoke in rooms from chimney.

Saturday, September 9, 9.23 P. M. Box 311

No. 18 Brookline Street. Occupied by G. S. Wilder as dwelling. No loss. Cause, pan of fat on stove.

Sunday, September 10, 7.43 A. M. Still alarm

No. 56 Trowbridge Street. Owned by F. Sargent as dwelling. No fire. Cause, smoke in room from chimney.

Sunday September 10, 3.35 P. M. Box 253. False alarm.

Monday, September 11, 5.02 P. M. Still alarm

No. 50 Second Street. Owned by Irving & Casson. No loss. Occupied by A. B. & E. L. Shaw as furniture shipping room. Loss, $3,000. Insurance, $3,000. Fire in upholstered furniture. Cause unknown.

Tuesday, September 12, 6.40 P. M. Still alarm

Engine No. 5 responded to Somerville Box 224.

Tuesday, September 12, 8.08 P. M. Still alarm

Brookline Street. Tree fire.

Wednesday, September 13, 12.55 A. M. Still alarm

No. 33 Magazine Street. Owned by H. B. Howlett. Loss, $80. Insurance, $40,000. Occupied by several families as dwelling. No loss. Cause, careless throwing fire from window onto awning.

Thursday, September 14, 9.03 A. M. Box 624

No. 50 Hudson Street. Owned by John Kelley. Loss, $475. Insurance, $2,000. Occupied by A. E. Wood as dwelling. Loss, $150. No insurance. Cause, child set fire to couch.

Thursday, September 14, 1.51 P. M. Box 282

No. 8 Pine Street. Owned by John Goodrich. Loss, $421.99. Insurance, $3,000. Occupied by James Perri as dwelling. Loss, $142. Insurance, $500. Cause, stepping on snap match in clothes closet.

Thursday, September 14, 5.24 P. M. Still alarm

No. 1 Seventh Street. Owned by Sias estate. Loss, $25. Insurance, $1,200. Occupied by E. Sawtell as dwelling. Loss trifling. Cause, rats in partition.

Thursday, September 14, 8.25 P. M. Still alarm

Pleasant Street. Dump fire.

Friday, September 15, 8.15 P. M. Still alarm

No. 21½ Gore Street. Owned by Wm. Shilvorsky. No loss. Occupied by Gusta Silva as dwelling. No loss. Cause, rats in partition.

Saturday, September 16, 12.29 A. M. Box 23

No. 91 Hampshire Street. Owned by Charles Simpson. Loss, $1,475. Insurance, $2,500. Occupied by G. H. Whippen as bakery. Loss, $354. Insurance, $500. Cause, fire from baker's ovens.

Sunday, September 17, 3.18 A. M. Still alarm

Vassal Lane. No fire. Cause, watchman lighting fire in stove.

Monday, September 18, 1.12 A. M. Box 245

Sixth Street. No fire. Cause of alarm, broken hydrant.

Tuesday, September 19, 9.35 A. M.

Accidental automatic from Eliot machine shop.

Tuesday, September 19, 7.32 P. M. Box 134

Commercial Avenue. Dump fire.

Wednesday, September 20, 6.24 P. M. Box 12

No. 14 Winter Street. Rubbish in yard.

Wednesday, September 20, 8.46 P. M. Box 43

No. 512 Green Street. Owned and occupied by G. Langley as dwelling. No loss. Cause, lamp upset.

Thursday, September 21, 10.47 A. M. Box 421

No. 5 West Street. Owned by A. M. Louden. Loss, $43. Insurance, $1,000. Occupied by E. L. Jackson as dwelling. No loss. Cause, sparks on roof from chimney.

Thursday, September 21, 5.29 P. M. Box 134

Commercial Avenue. Railroad ties on dump.

Sunday, September 24, 7.47 P. M. Still alarm

No. 12 Magazine Street. Owned by Arthur L. Mills. Loss, $10. Insurance, $5,500. Cause, gas light against curtain.

Sunday, September 24, 8.03 P. M. Still alarm

No. 63 Cedar Street. Rubbish in yard.

Monday, September 25, 7.35 P. M. Still alarm

Richdale Avenue. Rain slacked lime.

Wednesday, September 27, 6.39 A. M. Box 271

No. 624 Main Street. Owned by C. F. Rollins. Occupied by Salted Nut Co. Smoke mistaken for fire.

Thursday, September 28, 9.16 P. M. Box 291

No. 398 Columbia Street. Owned by Sarah Boyle. Loss, $25. Insurance, $2,000. Occupied by M. Maloney as dwelling. Loss, $10. No insurance. Cause, careless smoking in water closet.

Saturday, September 30, 3.23 P. M. Box 43. False alarm

October, 1911

Sunday, October 1, 8.23 A. M. Box 291

No. 319 Elm Street. Owned and occupied by Max Renanan as dwelling. No fire. Cause, smoke from defect in chimney.

Sunday, October 1, 3.51 P. M. Box 28

No. 306 Broadway. Owned by Squires estate. No fire. Cause, smoke from stove.

Sunday, October 1, 4.10 P. M. Still alarm

No. 1390 Cambridge Street. Owned by C. Montague. Occupied by McMinn Co. as drug store. Loss trifling. Cause, rubbish around furnace in cellar.

Monday, October 2, 9.19 A. M. Box 511

No. 31 Murray Street. Owned by Boston Elevated R. R. as dwelling. Cause, chimney fire.

Monday, October 2, 5.10 P. M. Box 126

No. 39 Fourth Street. Owned by E. B. Malley as dwelling. No fire. Smoke from chimney.

Monday, October 2, 5.44 P. M. Box 453. False alarm

Monday, October 2, 8.01 P. M. Box 282. False alarm

Wednesday, October 4, 1.36 A. M. Box 294

Windsor Street. Owned and occupied by Lutheranian Church Society. Loss, $50. Insurance, $40,000. Cause, supposed incendiary. Fire in basement.

Wednesday, October 4, 10.40 A. M.

Accidental automatic from Girlash mill.

Wednesday, October 4, 8.02 P. M. Box 27

No. 748 Main Street. Owned by Angus Howe, Winn estate. Loss trifling. Occupied by Oxford Rubber Co. as factory. No loss. Cause, overheated gasoline tank.

Wednesday, October 4, 8.35 P. M.

Engine No. 5 responded to Somerville Box 224.

Saturday, October 7, 1.03 P. M. Still alarm

No. 22 Marcella Street. Owned by Mr. Roach as dwelling. No fire. Cause for alarm, leak in gas pipe.

Saturday, October 7, 5.34 P. M. Box 191. False alarm

Sunday, October 8, 3.24 A. M. Still alarm

No. 20 Prescott Street. Owned by Anna Hoppin as dwelling. No loss. Cause, sparks from furnace in cold air box.

Tuesday, October 10, 8.18 P. M. Still alarm

No. 671 Massachusetts Avenue. Owned by Brooks and Conley as offices. No fire. Cause, over-heated radiator.

Wednesday, October 11, 9.01 A. M. Box 51

No. 29 Boylston Street. Owned by Reed estate. No loss. Occupied by F. Baumister as plumber. Loss trifling. Cause, spontaneous combustion in oakum.

Wednesday, October 11, 2.06 P. M. Box 434

No. 574 Green Street. Owned by Lincoln Co. as dwelling. No fire. Cause, smoke from stove.

Thursday, October 12, 6.20 P. M.

Engine No. 4 responded to Somerville Box 445

Thursday, October 12, 7.02 P. M. Box 39

No. 584 Massachusetts Avenue. Owned by Harris Ginsburg. Loss, $70. Insurance, $10,500. Occupied by Harvard Bazaar as dry goods store. Loss, $150. Insurance, $9,200. Cause, careless throwing fire on decorations on building.

Friday, October 13, 2.47 P. M. Box 94

No. 18 Thingvalla Street. Owned and occupied by Mary Shaw as dwelling. Loss, $62. Insurance, $1,000. Cause, sparks from burning brush.

Saturday, October 14, 5.55 P. M. Still alarm

Erie Street. Owned by John Reardon as manure pile.

Monday, October 16, 6.41 P. M. Box 741

No. 168 Rindge Avenue. Owned by French Catholic Church. Loss trifling. Occupied by E. Mercier as dwelling. Loss, $17. Insurance, $500. Cause, dropping lamp caused to explode.

Tuesday, October 17, 7.45 P. M. Box 381

No. 221 Western Avenue. Owned by C. H. Montague. Loss trifling. Occupied by M. O'Keeffe Co. as grocery store. Loss, $200. Insurance, $2,000. Cause, careless dropping fire in rubbish in cellar.

Tuesday, October 17, 9.25 P. M. Box 284

No. 525 Massachusetts Avenue. Owned by Harvard College. Loss, $472. Insurance, $6,000. Occupied by A. W. Bennett as millinery store. Loss, $1,393.38. Insurance, $16,100. Cause, careless dropping fire in rubbish in cellar.

Tuesday, October 17, 10.00 P. M. Box 282

School Street. Owned and occupied by Rush A. M. E. Church. Loss, $40. Insurance, $4,500. Cause, incendiary. Fire in basement. Box 31, alarm for same fire as from Box 282.

Sunday, October 22, 9.09 A. M. Box 791

No. 116 Clifton Street. Owned by E. W. Cook.

Tuesday, October 24, 12.25 A. M. Box 624

No. 91 Walker Street. Owned by Bemis estate as unoccupied stable. Cause, supposed set afire by tramps smoking.

Tuesday, October 24, 2.47 P. M. Box 29

No. 299 Prospect Street. Owned by Henry Rosen. Loss, $900. Insurance, $1,300. Occupied by Suffolk Furniture Co. Loss, $800. Insurance, $1,000. Occupied by Trainor & Sweeney as painters. Loss, $295.50. Insurance, $400. Occupied by Martin Bros. as carpenter's shop. Loss, $98.12. Insurance, $200. Fire originated in Suffolk Furniture Storage room. Cause, unknown.

Thursday, October 26, 8.58 A. M. Box 16

No. 295 Third Street. Owned by Anna P. Emory as unoccupied dwelling. Loss, $1,000. Insurance, $1,000. Cause, incendiary.

Thursday, October 26, 3.32 P. M. Box 94

Thingvalla Avenue. Grass fire.

Friday, October 27, 1.22 A. M. Box 233

No. 159 Harvard Street. Owned by F. W. Dallinger. Loss, $45. Insurance, $2,500. Occupied by N. K. Harding as store. Loss, $15. Insurance, $500. Cause, careless throwing fire on awning.

Saturday, October 28, 5.38 P. M.

Engine No. 5 responded to Somerville Box 219.

Sunday, October 29, 8.45 P. M. Still alarm

No. 324 Massachusetts Avenue. Owned by Thomas Whittemore. No loss. Occupied by E. Bennick as dwelling. Loss trifling. Cause, lamp exploded.

Tuesday, October 31, 8.48 A. M. Box 245

No. 13 Jordan Place. Owned and occupied by H. Finestein as dwelling. Loss trifling. Cause, child set fire to curtain.

Tuesday, October 31, 11.20 A. M. Still alarm

No. 169 Bridge Street. Owned by B. & M. R. R. No loss. Occupied by Charles Fine as stable. Loss trifling. Cause, boys set fire in hay.

Tuesday, October 31, 7.20 P. M. Still alarm

Thingvalla Avenue. Grass fire.

November, 1911

Wednesday, November 1, 5.40 P. M. Still alarm

Engine No. 5 responded to Somerville Box 26.

Thursday, November 2, 9.45 A. M. Still alarm

No. 313 Elm Street. Owned by H. Champlin as dwelling. Occupied by several families. Cause, smoke from stove.

Thursday, November 2, 3.02 P. M. Box 24

No. 195 Broadway. Owned by Philip Thorner. No loss. Occupied by Michael Bell as dwelling. Loss trifling. Cause, lighting fire in stove with benzine.

Thursday, November 2, 4.45 P. M. Still alarm

Rear 13 Chestnut Street. Owned by N. E. Tel. & Tel. Co. Cause, empty cable spool set afire by boys.

Friday, November 3, 5.40 P. M. Still alarm

No. 26 Walker Street. Owned and occupied by F. G. Fitzpatrick as dwelling. Loss trifling. Cause, spontaneous combustion in painters' rags in cellar.

Monday, November 6, 1.40 P. M. Still alarm

Near Prison Point Street. Owned by B. & M. R. R. Fire in soft coal. Cause, spontaneous combustion.

Monday, November 6, 2.00 P. M. Still alarm

No. 26 Palmer Street. Owned by Chapman estate as unoccupied carriage factory. Loss trifling. Cause, set afire by boys.

Tuesday, November 7, 11.53 A. M. Box 281. False alarm

Wednesday, November 8, 2.15 A. M. Still alarm

Cor. Garden and Linnaean Streets. Tree fire.

Wednesday, November 8, 5.05 P. M. Still alarm

No. 120 Lakeview Avenue. Owned by Joseph Russell. No loss. Cause, oil stove took fire.

Wednesday, November 8, 5.30 P. M. Still alarm

No. 7 Blanche Street. L. M. Hannum, Agent. Loss trifling. Occupied by Mary Johnson as dwelling. Loss trifling. Cause, child set fire to curtain.

Wednesday, November 8, 11.20 P. M. Box 12

No. 4 Linehan Court. Owned by Linehan estate. Loss, $20. Insurance, $5,000. Occupied by S. Klocek as dwelling. Loss, $10. No insurance. Cause, lamp exploded.

Thursday, November 9, 1.48 P. M. Box 233

No. 208 Broadway. Owned and occupied by Doton & Dutton as furniture factory. No loss. Cause, careless dropping fire in excelsior in shed.

Saturday, November 11, 1.37 P. M. Box 281. False alarm.

Saturday, November 11, 4.20 P. M. Box 721

No. 2223 Massachusetts Avenue. Owned by F. R. Henderson. No loss. Occupied by B. & S. Laundry. No loss. Cause, dust took fire from friction in machinery.

Sunday, November 12, 12.04 A. M. Box 54. False alarm.

Sunday, November 12, 5.05 P. M. Still alarm

Cor. Broadway and Prescott Street. Tree fire.

Sunday, November 12, 9.47 P. M. Still alarm

Cor. Broadway and Prescott Street. Tree fire.

Sunday, November 12, 11.15 P. M. Still alarm

No. 14 Arlington Street. Tree fire.

Monday, November 13, 2.25 P. M. Still alarm

No. 94 Inman Street. Owned by Fleischmann Yeast Co. as dwelling. Loss trifling. Cause, overheated stove pipe.

Wednesday, November 15, 5.57 P. M. Box 346

No. 133 Erie Street. Owned by Edward Murphy. Loss, $356. Insurance, $2,500. Occupied by Thomas La Blanc as dwelling. Loss, $10. No insurance. Cause, mice in partition in closet.

Wednesday, November 15, 7.04 P. M. Box 294

No. 154 Elm Street. Owned by Casper Berry. Loss trifling. Occupied by R. E. McFarlain as stable. No loss. Cause, careless smoking.

Thursday, November 16, 11.55 A. M. Box 453

No. 33 Hayes Street. Owned by Jeremiah Kelleher as unoccupied dwelling. Loss, $85. Insurance, $400. Cause, rats in ceiling under roof.

Thursday, November 16, 11.56 A. M. Box 434

Alarm for same fire as from Box 453.

Thursday, November 16, 9.35 P. M. Box 47

Foot of Dunster Street. Owned by Isaac Chase. Loss, $1,750. Insurance, $2,500. Occupied by Bay State Fuel Co. as wood yard. Loss, $5,794.75. Insurance, $13,079. Cause, incendiary.

No. 33 Mill Street. Owned by Harvard Associates as dwelling. Loss, $35. Insurance, $6,000. Cause, exposure from wood yard fire.

Friday, November 17, 11.47 A. M. Box 7

Fire in Somerville.

Friday, November 17, 5.22 A. M. Box 47.

Foot of Dunster Street. Owned by Isaac Chase as wood yard. Cause, incendiary in part of yard not burned at previous fire.

Friday, November 17, 2.37 P. M. Still alarm

Madison Street. Grass fire.

Sunday, November 19, 12.55 A. M. Box 27

No. 483 Main Street. Owned by Oscar Petterson. Loss, $8,452. Insurance, $18,000. Occupied by Oscar Petterson as bakery. Loss, $5,225. Insurance, $11,225. Cause unknown. Alarm from Box 483 for same fire as from Box 27.

Sunday, November 19, 5.45 A. M.

Engine No. 5 responded to Somerville Box 234.

Sunday, November 19, 4.50 P. M. Box 79

Rear 23 Dudley Street. Salamander stove in yard.

Sunday, November 19, 4.55 P. M. Still alarm

Cor. Binney and Second Streets. Rubbish fire.

Monday, November 20, 1.10 P. M. Still alarm

No. 118 First Street. Owned by John T. Scully as stable. Loss, $50. Insurance, $1,500. Cause, overheated stove pipe.

Monday, November 20, 3.25 P. M. Still alarm

No. 134 Bridge Street. Owned and occupied by John McGowan as dwelling. No loss. Cause, chimney fire.

Tuesday, November 21, 4.00 P. M. Box 12

No. 238 Bridge Street. Owned by Annie L. McCarthy. Loss, $80. Insurance $1,000. Occupied by Denis McKeon as dwelling. Loss, $10. No insurance. Cause, careless dropping fire in clothes.

Wednesday, November 22, 4.55 A. M. Still alarm

No. 77 State Street. Owned by Standard Turning Co. as fence. No loss.

Wednesday, November 22, 10.23 A. M. Box 433

No. 18 Vernon Street. Owned by H. O. Marcy. Loss, $40. Insurance, $9,000. Occupied by Arthur Laige as dwelling. Loss, $100. No insurance. Cause, careless dropping fire on bed.

Wednesday, November 22, 5.55 P. M. Still alarm

No. 9 Riedesel Avenue. Owned by Brewster estate. Loss, $35. Insurance, $8,000. Occupied by J. D. McFord as dwelling. Loss, $15. Insurance, $2,000. Cause, gas light ignited curtain.

Wednesday, November 22, 8.42 P. M. Still alarm

No. 18 Andrew Street. Owned by James Cradel. No loss. Occupied by L. Chandler as dwelling. Loss, $25. No insurance. Cause, smoking in bed.

Thursday, November 23, 11.57 A. M. Box 215

No. 723 Cambridge Street. Owned by M. Susser. Loss, $25. Insurance, $5,000. Occupied by John Zibilo as dwelling. Loss, $85. Insurance, $500. Cause, careless use of match in clothes closet.

Friday, November 24, 3.02 P. M. Box 13

No. 56 Cambridge Street. Owned by Eliot Savings Bank. Loss, $22.75. Insurance, $6,000. Occupied by Rose Shaw as dwelling. Loss, $50. Insurance, $2,000. Cause, child with match in closet.

Saturday, November 25, 1.20 A. M. Still alarm

Boylston Street Bridge fire.

Saturday, November 25, 8.33 A. M. Box 207

No. 5 Bristol Street. Owned by John Mahoney. Loss, $35. Insurance, $2,000. Occupied by R. McGillvary as dwelling. Loss, $25. No insurance. Cause, careless use of candle in closet.

Sunday, November 26, 7.30 P. M. Still alarm

No. 40 Inman Street. Owned by Joseph E. Doherty. No loss. Occupied by Charles Howes as dwelling. No loss. Cause, kettle of fat on stove took fire.

Sunday, November 26, 10.15 P. M. Still alarm

No. 30 Holyoke Street. Chimney fire.

Monday, November 27, 11.36 A. M. Box 245

No. 110 Broadway. Owned by R. Harris. Loss trifling. Occupied by Leona Salva as dwelling. Loss, $110. Insurance, $600. Cause, careless use of lamp in closet.

Tuesday, November 28, 3.55 P. M. Box 19. False alarm

Tuesday, November 28, 4.27 P. M. Box 75

No. 284 Rindge Avenue. Owned by John Poinier. No loss. Occupied by J. G. Dumas as dwelling. No loss. Cause, pan of fat on stove took fire.

December, 1911

Friday, December 1, 5.15 P. M. Still alarm

Tudor Street. Owned and occupied by W. C. Thayerwell as silk factory. No loss. Cause, fire on floor of boiler room.

Saturday, December 2, 4.11 P. M. Box 134. False alarm.

Sunday, December 3, 9.50 A. M. Still alarm

Harvard Square. Rubbish in subway.

Sunday, December 3, 3.25 P. M. Still alarm

No. 11½ Gerry Street. Owned by Moore & Hadley. No loss. Occupied by J. A. Pierce as dwelling. No loss. Cause, chimney fire.

Sunday, December 3, 4.52 P. M. Box 32

Pacific Street. Dump fire.

Tuesday, December 5, 11.26 A. M. Box 137

No. 46 Bridge Street. Owned by C. Linehan estate. Occupied by S. Rosenberg as dwelling. No loss. Cause, smoke from stove.

Tuesday, December 5, 9.03 P. M. Still alarm

Broadway Park. Grass fire.

Wednesday, December 6, 1.03 P. M. Box 311

No. 202 Green Street. Owned by Clara Fuhaman. Loss trifling. Occupied by Nathaniel Briggs as dwelling. No loss. Cause, rubbish in barrel under porch.

Wednesday, December 6, 1.25 P. M. Box 684

No. 68 Crescent Avenue. Owned by Newell Patterson. Loss, $30. Insurance, $3,200. Occupied by W. J. Dutera as dwelling. Loss, $20. Insurance, $600. Cause, child set fire to couch.

Wednesday, December 6, 10.00 P. M.

Engine No. 5 responded to Somerville Box 226.

Thursday, December 7, 8.06 A. M. Box 291

No. 282 Webster Avenue. Owned by H. Goldman as dwelling. No fire. Cause, defect in chimney caused smoke to enter room.

Thursday, December 7, 1.57 P. M. Still alarm

No. 26 Regent Street. Owned and occupied by Frank Burke as blacksmith. Loss, $65. Insurance, $950. Cause, sparks on roof from chimney.

Thursday, December 7, 8.24 P. M. False alarm

Thursday, December 7, 9.36 P. M. False alarm

Friday, December 8, 8.29 A. M. Box 361

No. 59 Fairmont Street. Owned by Susan Kardier. Loss trifling. Occupied by John Sewell as dwelling. No loss. Cause, spark from stove on oily mop.

Friday, December 8, 3.42 P. M. Box 295

Rear 145 Elm Street. Owned by Caspar Berry. Loss trifling. Occupied by Rosco McFarlain as stable. No loss. Cause, careless smoking in loft.

Saturday, December 9, 7.04 A. M. Box 391

No. 32 Magazine Street. Owned by L. F. Goodrich. Loss, $42.50. Insurance, $2,500. Occupied by V. E. Harriman as dwelling. Loss, $20. No insurance. Cause, careless dropping fire in bureau.

Saturday, December 9, 8.09 A. M.

Accidental automatic from Irving & Casson.

Saturday, December 9, 3.45 P. M. Box 23

No. 9 Plymouth Street. Owned and occupied by Patrick Lally as dwelling. Loss, $39. Insurance, $2,500. Cause, cloths over stove took fire.

Saturday, December 9, 6.06 P. M. Box 215

No. 8 Parnell Street. Owned by Charles Linehan. Loss, $344.10. Insurance, $3,200. Occupied by Barsamian as dwelling. Loss, $25. No insurance. Cause, fire from stove pipe hole in chimney set fire to chair.

Sunday, December 10, 8.02 A. M. Still alarm

No. 74 Avon Hill Street. Owned and occupied by W. F. Osgood as dwelling. No fire. Smoke from furnace.

Sunday, December 10, 1.28 P. M. Box 421

No. 149 Austin Street. Owned by C. F. Bowker. Loss, $10. Insurance, $3,000. Occupied by Robert Dixon as dwelling. Loss, $25. Insurance, $500. Cause, alcohol lamp took fire on couch.

Monday, December 11, 6.05 A. M. Still alarm

Accidental automatic from National Biscuit Co.

Monday, December 11, 4.22 P. M. Box 18

Vine Street. Cause, boys put burning paper in catch basin.

Monday, December 11, 11.32 P. M. Box 247

No. 15 Washington Street. Owned by Brush estate. Loss, $45. Insurance, $1,800. Occupied by Angus McGilvary as dwelling. Loss, $25. No insurance. Cause, careless smoking in bed.

Tuesday, December 12, 9.20 A. M.

Accidental automatic from Irving & Casson.

Tuesday, December 12, 2.07 P. M. Box 31

No. 26 Green Street. Owned by M. H. Guleshiam. Loss trifling. Occupied by Whitton Gilmore Co. as garage. Loss trifling. Cause, gasoline spilled on floor took fire.

Tuesday, December 12, 8.10 P. M. Still alarm

Foot of Rindge Avenue. Owned by B. & M. R. R. as ties. Cause, sparks from locomotive set fire to ties.

Wednesday, December 13, 4.09 P. M. Box 23

No. 291 Windsor Street. Owned by S. L. Klashman. Loss, $253. Insurance, $500. Occupied by Martin Pihl as paint shop. Loss, $50. Insurance, $600. Cause, careless dropping fire in oily rags.

Wednesday, December 13, 4.11 P. M. Box 295

Alarm for same fire as from Box 23.

Box 281, alarm for same fine as from Box 23.

Wednesday, December 13, 6.50 P. M. Box 23

No. 21 Webster Avenue. Owned by Cassie Poulser. Loss trifling. Occupied by Minnie Young as dwelling. Loss, $25. No insurance. Cause, overturned lamp.

Thursday, December 14, 6.00 A. M.

Accidental automatic from National Biscuit Co.

Friday, December 15, 1.20 P. M. Box 381

No. 25 Jay Street. Owned by Commercial Pioneer Co. Loss, $45. Insurance, $2,500. Occupied by Wm. Jackson as dwelling. No loss. Cause, rats in partition.

Friday, December 15, 11.57 P. M. Box 19

No. 457 Cambridge Street. Owned by George R. Brine. Loss, $168. Insurance, $10,000. Occupied by L. Leventhaul as dry goods. Loss trifling. Careless dropping fire in water closet in cellar.

Saturday, December 16, 3.57 A. M. Box 381

No. 218 Western Avenue. Owned by E. Goldman. Loss, $214. Insurance, $3,600. Occupied by Nellie Altman as variety store. Loss, $850. Insurance, $1,850. Cause, unknown.

Saturday, December 16, 5.35 A. M.

Accidental automatic from National Biscuit Co.

Sunday, December 17, 5.37 P. M.

Engine No. 5 responded to Somerville Box 219.

Monday, December 18, 11.40 A. M. Box 291

No. 395 Columbia Street. Owned by Joseph Quail. No loss. Occupied by F. Barrcessler as dwelling. No loss. Cause, sparks from stove onto straw.

Monday, December 18, 7.08 P. M. Box 416

No. 1498 Cambridge Street. Owned by Chas. Linehan estate. Loss, $75. Insurance, $2,000. Occupied by E. L. Chase as provision store. Loss, $100. Insurance $1,600. Cause, careless dropping fire under sink.

Tuesday, December 19, 3.50 P. M. Still alarm

No. 118 Prospect Street. Owned by J. Green. No loss. Occupied by B. Harris as tailor. Loss trifling. Cause, overheated iron on bench cover.

Thursday, December 21, 7.58 P. M. Still alarm

No. 187 Hampshire Street. Owned and occupied by Thomas Mullane as stable. Loss trifling. Cause, lamp exploded.

Friday, December 22, 3.51 P. M. Box 284

No. 96 Austin Street. Owned by Charles Spencer. Loss, $550. Insurance, $2,000. Occupied by R. Lorrie as dwelling. Loss, $306.84. Insurance, $1,000. Cause, child with match set fire to oil can in cellar.

Friday, December 22, 5.07 P. M. Still alarm

Hayward Street. Dump fire.

Saturday, December 23, 7.13 P. M. Box 284

No. 544 Massachusetts Avenue. T. H. Raymond, Agent. Cause, smoke from chimney mistaken for fire.

Sunday, December 24, 2.55 P. M. Box 791

No. 61 Harvey Street. Owned by E. R. Dix. No loss. Fire in lumber. Spontaneous combustion in rags.

Sunday, December 24, 5.24 P. M. Still alarm

No. 75 Gore Street. Owned by Catherine Hurley. Loss trifling. Occupied by James Kenney as dwelling. Loss, $50. Cause, child lighting Christmas tree with candle.

Tuesday, December 26, 1.41 P. M. Box 471

No. 100 De Wolfe Street. Owned by Broderick estate. No loss. Occupied by A. Arriman as furniture store. Loss trifling. Cause, careless dropping fire on couch on sidewalk.

Thursday, December 28, 10.17 A. M. Box 27

No. 40 Clark Street. Owned by Brooks estate. Loss, $25. Insurance, $2,000. Occupied by T. Kampersol as dwelling. No loss. Cause, overheated stove.

Thursday, December 28, 12.30 P. M. Still alarm

Near 54 Columbia Street. Grass fire.

Thursday, December 28, 2.26 P. M. Box 346

Erie Street. Owned by S. A. Davis as automobile. Loss, $900. Insurance, $500.

Thursday, December 28, 5.55 P. M. Still alarm

No. 11 Sparks Street. Owned and occupied by P. Connor as dwelling. No loss. Cause, chimney fire.

Friday, December 29, 8.52 A. M. Box 34

Cor. Erie and Albany Streets. Owned and occupied by John Lally as column factory. Loss, $300. Insurance, $10,000. Cause, sparks from chimney set fire to empty water tank on roof.

Saturday, December 30, 10.15 A. M.

Engine No. 5 responded to Somerville Box 226.

Saturday, December 30, 4.59 P. M. Box 56

No. 4 Kenway Street. Owned by S. B. Schmidt. Loss, $110. Insurance, $1,500. Occupied by C. E. Parrich as dwelling. Loss, $174. Insurance, $1000. Cause, rats in partition.

January, 1912

Monday, January 1, 2.56 A. M. Box 511

No. 13 Brattle Street. Owned by Boston Elevated Railway. Loss, $1,057. Insurance, $11,500. Occupied by E. R. Sage as dwelling. Loss, $101. Insurance, $500. Occupied by James De Luca as dwelling. Loss, $30. Insurance, $500. Cause, hot ashes in box in closet.

Tuesday, January 2, 5.19 A. M. Box 371

Albrow Street. Transformer on electric light pole.

Tuesday, January 2, 9.09 P. M. Box 94

No. 25 Erricsson Street. Owned by Patrick Richmond. Loss, $724. Insurance, $4,000. Occupied by P. Richmond as dwelling. Loss, $290. Insurance, $1,000. Cause, careless use of candle in clothes closet.

Wednesday, January 3, 10.47 A. M. Box 21

No. 889 Cambridge Street. Owned by B. Wiseman. No loss. Occupied by S. Malamund as grocery store. Loss, $10. No insurance. Cause, careless dropping fire under counter.

Wednesday, January 3, 8.55 P. M. Still Alarm

No. 25 Follen Street. Owned and occupied by P. W. Richards as dwelling. No loss. Chimney fire.

Friday, January 5, 11.09 P. M. Box 411

No. 239 Prospect Street. Owned by L. L. Tower as dwelling. Loss, $50. Insurance, $4,500. Cause, defect in chimney set fire to sill of building.

Saturday, January 6, 12.50 A. M. Still Alarm

No. 55 York Street. Owned and occupied by Alelo. Caviechie as dwelling. No. loss. Cause, chimney fire.

Saturday, January 6, 8.50 A. M. Still Alarm

No. 804 Main Street. Owned by Leonard F. Cutter. Loss trifling. Occupied by James McNamee as factory. No loss. Cause, defect in chimney set fire to roof

Saturday, January 6, 5.07 P. M. Still Alarm

No. 57 Garden Street. Owned and occupied by Benjamin Vaughn as dwelling. No loss. Cause, chimney fire.

Saturday, January 6, 6.10 P. M.

Accidental automatic from Gerlash Mill.

Saturday, January 6, 9.55 P. M. Still Alarm

Chatham Street. No fire. Steam from drying plaster in new building.

Sunday, January 7, 6.45 A. M. Still Alarm

No. 24 Decatur Street. Owned by C. Mulligan. No loss. Occupied by M. Flynn as dwelling. Loss, $25. No insurance. Cause, candle fell from shelf, setting fire to furniture.

Sunday, January 7, 9.14 A. M. Still Alarm

No. 15 Columbia Street. Owned by Moses P. White. Loss, $50. Insurance, $5,000. Occupied by J. C. Malcomb as dwelling. Loss, $25. No insurance. Cause, water front of store exploded.

Sunday, January 7, 11.28 A. M.

Engine No. 4 responded to Somerville Box 427.

Sunday, January 7, 4.45 P. M. Box 723

No. 2286 Massachusetts Avenue. Owned by W. L. Hooper. Loss, $325. Insurance, $5,700. Occupied by W. L. Hooper as dwelling. Loss, $25. Insurance, $1,000. Cause, careless dropping fire in rubbish in cellar.

Sunday, January 7, 5.45 P. M. Box 471

No. 30 Mt. Auburn Street. Owned by Mary Phelan. Loss, $393. Insurance, $2,000. Occupied by Mary Phelan as dwelling. Loss, $76. Insurance, $1,000. Cause, defect in open grate.

Monday, January 8, 6.38 A. M. Box 15

Binney Street. Owned by John T. Scully. Loss trifling. Occupied by A. F. Robinson as boiler factory. No loss. Cause, thawing water pipes with torch.

Monday, January 8, 9.40 A. M. Still Alarm

No. 128 Oxford Street. Owned by John Waugh. Loss, $100. Insurance, $4,500. Occupied by John Waugh as dwelling. Loss, $56. Insurance, $1,000. Occupied by G. L. Farmer as dwelling. Loss, $47. Insurance, $1,000. Cause, thawing water pipes with torch.

Tuesday, January 9, 1.04 P. M. Box 291

No. 65 Lincoln Street. Owned by David Casey. Loss, $350. Insurance, $2,200. Occupied by David Casey as dwelling. Loss, $275. Insurance, $1,000. Cause, unknown.

Tuesday, January 9, 1.22 P. M. Still Alarm

No. 24 Follen Street. Owned and occupied by E. Tower as dwelling. Cause, smoke from stove.

Tuesday, January 9, 2.04 P. M. Box 245

No. 116 Broadway. Owned by R. Harris as dwelling. Cause, smoke from stove.

Wednesday, January 10, 9.40 A. M. Still alarm.

No. 5 Saint Clair Place. Owned by Thomas Whittemore. Loss trifling. Occupied by Thomas Kenney as dwelling. No loss. Cause, thawing water pipes with torch.

Wednesday, January 10, 10.30 A. M. Still Alarm

No. 27 Irving Street. Owned by H. Brock. Loss, $70. Insurance, $3,000. Occupied by Charles Staples as dwelling. Loss, $10. Insurance, $1,000. Cause, overheated stovepipe.

Wednesday, January 10, 11.27 A. M. Box 346

No. 91 Brookline Street. Owned and occupied by H. Banham as grocery. Loss, $30. Insurance, $6,000. Cause, thawing water pipe with torch.

Wednesday, January 10, 1.08 P. M. Still Alarm

No. 259 Cambridge Street. Owned by Blake estate. Loss trifling. Occupied by A. T. Silva as tailor shop. No loss. Cause, careless dropping fire in rubbish in cellar.

Thursday, January 11, 3.14 P. M. Still Alarm

Cor. Mason and Brattle Street. Owned and occupied by Shepard Congregational Church Society. Cause, smoke from furnace.

Friday, January 12, 6.31 A. M. Box 75

No. 233 Rindge Avenue. Owned by Mary Leahy. No loss. Occupied by Edward Nedau as dwelling. Loss, $25. Insurance, $2,000. Cause, clothes behind stove took fire.

Friday, January 12, 12.07 P. M. Box 541

Cor. Brattle and Riedesel Street. Owned by Krevitan Bros. as fruit wagon. Loss, $25. No insurance. Cause, oil heater in wagon took fire.

Friday, January 12, 2.59 P. M. Box 381

No. 47 Howard Street. Owned by F. L. Sawtell. Loss trifling. Occupied by C. F. Leary as dwelling. Cause, thawing water pipes with torch.

Friday, January 12, 4.39 P. M. Still Alarm

No. 23 Hawthorn Street. Owned by R. A. Daily as dwelling. No loss. Cause, chimney fire.

Friday, January 12, 7.45 P. M. Still Alarm

No. 30 Irving Street. Owned by Moses P. White. Loss trifling. Occupied by W. D. Gay as dwelling. Loss trifling. Cause, gas light ignited curtain.

Friday, January 12, 8.04 P. M. Still Alarm

No. 7 Felton Street. Owned by G. S. Davidson. Loss, $35. Insurance, $3,500. Occupied by G. S. Davidson as dwelling. Loss, $10. Insurance, $1,000. Cause, gas burner mantle fell to floor.

Saturday, January 13, 9.20 A. M. Box 134

No 33 Vine Street. Owned by Otis Simonds. Loss, $25. Insurance, $1,500. Occupied by C. Madoerios as dwelling. No loss. Cause, oil stove took fire.

Saturday, January 13, 10.26 A. M. Box 85

No. 385 Huron Avenue. Owned by M. F. Whouley. Loss, $1,900. Insurance, $3,000. Occupied by M. E. Lane as dwelling. Loss, $196.90. Insurance, $500. Occupied by E. McKenzie as dwelling. Loss, $500. Insurance, $500. Cause, thawing water pipes with torch.

Saturday, January 13, 11.01 A. M. Still Alarm

No. 18 Gore Street. Owned by John Silva. Loss, $36.50. Insurance, $2,000. Occupied by A. Oliver as dwelling. No loss. Cause, thawing water pipes with torch.

Saturday, January 13, 11.34 A. M. Box 31

No. 17 Austin Street. Owned by Quincy Co. No loss. Occupied by Wilford Holder as dwelling. Loss, $50. No insurance. Cause, smoking in bed.

Saturday, January 13, 2.33 P. M. Still Alarm

No. 275 Broadway. Owned by John L. Norris. Loss trifling. Occupied by J. E. Gould as dwelling. No loss. Cause, thawing water pipes with torch.

Sunday, January 14, 1.12 P. M. Still Alarm

No. 120 Auburn Street. Owned and occupied by John A. Hamilton as dwelling. Loss, $81. Insurance, $3,500. Cause, thawing water pipes with torch.

Sunday, January 14, 7.43 P. M. Box 23

No. 295 Windsor Street. Owned and occupied by Max Siders as dwelling. Loss trifling. Cause, careless dropping fire in closet.

Monday, January 15, 2.05 P. M. Box 351

No. 133 Chestnut Street. Owned by M. G. Caswell. No loss. Occupied by J. Machim as dwelling. Loss trifling. Cause, oil stove took fire. Box 342 alarm for same fire as from Box 351.

Monday, January 15, 4.21 P. M. Box 14

No. 151 Third Street. Owned and occupied by James Adams as dwelling. No fire. Can of milk on stove with stopper in found vent by blowing out.

Monday, January 15, 10.41 P. M.

Engine No. 4 responded to Somerville Box 427

Tuesday, January 16, 12.49 A. M. Box 87

Mt. Auburn Street. Owned by Boston Elevated Railroad. Loss, $1,500. Insurance, $43,000. Occupied by Boston Elevated Railway as car barn. Loss, $1,675. Insurance, $1,675. Cause, car took fire from electric wires.

Tuesday, January 16, 8.55 A. M. Still Alarm

No. 857 Main Street. Owned by G. A. Wentworth. Loss, $75. Insurance, $5,600. Occupied by H. O'Leary as tailor. Loss, $80. Insurance, $1,200. Occupied by M. Cavanagh as harness shop. Loss, $20. Insurance, $1,200. Cause, rats in partition around chimney.

Tuesday, January 16, 11.35 A. M. Still Alarm

Boston & Maine Railroad Yard. Owned by B. & M. R. R. Loss, $550. Insurance, $86,000. Cause, explosion of oil in gas house.

Tuesday, January 16, 2.10 P. M. Still Alarm

No. 119 Mt. Auburn Street. Gas pipe leak in street.

Tuesday, January 16, 2.51 P. M. Still Alarm

Holmes Field. Owned by Harvard Athletic Club. Loss trifling. Fire in shed. Cause, oil heater took fire.

Tuesday, January 16, 3.42 P. M. Still Alarm

No. 4 Gordon Place. Owned by Esther A. Powers. No loss. Occupied by John Flower as dwelling. Loss, $10. No insurance. Cause, bed took fire from stove.

Wednesday, January 17, 8.05 P. M. Box 168

Cor. Fifth and Binney Street. George F. Blake as pump factory. No loss. Cause, oily rags. Spontaneous.

Wednesday, January 17, 8.28 P. M. Still Alarm

No. 17 Cherry Street. Owned by A. Lamson as association building. No fire. Smoke from furnace.

Thursday, January 18, 9.30 A. M. Still alarm

No. 241 Cambridge Street. Owned by Felix Hagan. Loss trifling. Occupied by Sweeney & Gomes as grocery. Loss, $35. Insurance, $3,500. Cause, overturned oil stove in cellar.

Saturday, January 20, 2.25 A. M. Box 15

Second Street. Owned and occupied by H. M. Sawyer as factory. Loss, $100. Insurance, $50,000. Cause, spontaneous combustion in oily rags. Boxes 134 and 14 alarm for same fire as from Box 15.

Saturday, January 20, 9.20 A. M.

Accidental automatic from Riverside Press.

Saturday, January 20, 4.52 P. M. Still Alarm

No. 335 Harvard Street. Owned and occupied by John Crocker as dwelling. No loss. Cause, chimney fire.

Saturday, January 20, 7.31 P. M. Still Alarm

No. 58 Kirkland Street. Owned by Israel Nisson. Loss, $50. Insurance, $4,500. Occupied by Jacob Nisson as dwelling. Loss, $78. Insurance, $1,500. Cause, snap match ignited curtain.

Saturday, January 20, 8.50 P. M. Still Alarm

No. 333 Main Street. Occupied by John Driscoll as dwelling. No loss. Cause, thawing water pipes.

Saturday, January 20, 11.22 P. M. Still Alarm

No. 52 Shepard Street. Owned and occupied by Huntington Saville as dwelling. No loss. Cause, chimney fire.

Monday, January 22, 8.05 A. M. Still Alarm

No. 21 Thorndike Street. Owned by Irving & Casson. No loss. Occupied by Joseph Josephs Co. as storage of railroad supplies. Loss, $7,000. Insurance, $55,000. Cause, spontaneous combustion in cotton waste.

Monday, January 22, 1.43 P. M. Still Alarm

No. 823 Main Street. Owned by Fiske estate. Loss trifling. Occupied by H. D. Moulton as plumber. Loss trifling. Cause, careless dropping fire in oakum.

Monday, January 22, 5.49 P. M. Still Alarm

No. 27 Inman Street. Owned by W. A. Bullard. No loss. Occupied by E. H. Jose as dwelling. No loss. Cause, chimney fire.

Tuesday, January 23, 4.45 A. M. Box 135

No. 121 First Street. Owned by J. T. Scully. Loss, $1,400. Insurance, $1,600. Occupied by Henry Butters as melting factory. Loss, $4,000. No insurance. Cause, overheated melting pots.

Tuesday, January 23, 4.47 A. M.

Box 134 alarm for same fire as from Box 135. 11.27 P. M., rekindling of previous fire.

Thursday, January 25, 10.38 P. M. Box 472

No. 1248 Massachusetts Avenue. Owned by University Association. Loss, $150. Insurance, $112,000. Occupied by University Smoke Stove Co. Loss, $225. Insurance, $8,500. Cause, rats and matches in rubbish in cellar.

Friday, January 26, 1.27 A. M. Box 54

No. 3 Willard Court. Owned by Alice Longfellow. Loss, $750. Insurance, $1,500. Occupied by E. P. Donahue as dwelling. Loss, $175. Insurance, $1,000. Cause, careless throwing fire from adjoining building onto roof.

Friday, January 26, 4.01 A. M. Box 241. False Alarm

Friday, January 26, 5.28 P. M. Still Alarm

No. 271 Green Street. Owned by T. H. Raymond, agent. No loss. Cause, thawing water pipes on roof leading to tank.

Saturday, January 27, 7.50 P. M. Box 195

Nos. 17-18 Squires Court. Owned by Giles Taintor. Loss, $326. Insurance, $4,000. Occupied by Edward Hines as dwelling. Loss, $40. No insurance. Occupied by Timothy Murphy as dwelling. Loss, $150. No insurance. Fire in closet. Cause, unknown.

Saturday, January 27, 12.48 A. M. Box 742

No. 151 Pemberton Street. Owned by Wilson estate. Loss, $400. Insurance, $2,000. Occupied by J. J. Nolan as dwelling. Loss, $50. No insurance. Cause, lamp exploded.

Sunday, January 28, 11.05 A. M. Still Alarm

No. 60 Shepard Street. Owned by Marion Taylor. Occupied by A. B. Sheffield as dwelling. No loss. Cause, chimney fire.

Sunday, January 28, 3.34 P. M. Still Alarm

No. 87 River Street. Owned by E. H. La Pierre. Loss, $50. Insurance, $14,000. Occupied by R. E. Reed as dwelling. No loss. Cause, using lamp to find leak in gas pipe.

Sunday, January 28, 4.55 P. M. Still Alarm

No. 25 Green Street. Occupied by Dodge Motor Co. as factory. No loss. Cause, dripping of gasoline in sewer took fire.

Tuesday, January 30, 5.22 P. M. Still Alarm

No. 17 Winslow Street. Owned by James Shea. No loss. Occupied by Daniel Sullivan as dwelling. No loss. Cause, meat on stove burned.

Wednesday, January 31, 5.25 A. M. Box 26

Massachusetts Avenue. Owned by Boston Elevated Railway as snowplough. No loss.

February, 1912

Thursday, February 1, 3.04 A. M. Box 237

No. 5 Webster Avenue. Owned and occupied by Frank Ambrose as dwelling. Loss, $78. Insurance, $1,500. Cause, careless dropping fire in bureau.

Thursday, February 1, 2.50 A. M.

Engine No. 5 responded to Somerville Box 226.

Friday, February 2, 2.30 P. M. Box 18

No. 243 Vine Street. Owned by Jeremiah Crowley. No loss. Occupied by Antoni Menis as dwelling. Loss, $10. No insurance. Cause, child set fire to bed.

Saturday, February 3, 1.30 P. M. Box 282

No. 127 Pine Street. Owned by Maurice Cohen. No loss. Occupied by John Burns as dwelling. Loss trifling. Cause, child with lighted match in closet.

Saturday, February 3, 3.59 P. M. Still Alarm

Temple Street. Occupied by Scenic Amusement Co. Loss trifling. Cause, careless dropping fire in closet.

Monday, February 5, 6.26 P. M. Still Alarm

No. 5 Saint Clair Place. Owned by Whittemore estate. Loss trifling. Occupied by Thomas Kenney as dwelling. No loss. Cause, supposed incendiary.

Tuesday, February 6, 9.34 A. M. Box 75

No. 266 Rindge Avenue. Owned and occupied by Martha F. Thomas as dwelling. Loss, $55. Insurance, $1,000. Cause, careless dropping fire in clothes.

Tuesday, February 6, 8.15 P. M. Box 247

No. 29 Burleigh Street. Owned by William Watkins. Loss, $134. Insurance, $1,500. Occupied by E. F. Jennings as dwelling. Loss, $50. No insurance. Cause, overturned oil lamp.

Wednesday, February 7, 7.26 P. M. Box 243

No. 145 Broadway. Owned by Sylvester Tower Co. Loss, $3,000. Insurance, $5,000. Occupied by S. Tower Co. as dry house for lumber. Loss, $12,000. Insurance, $15,000. Cause, overheat in kiln.

Thursday, February 8, 6.45 A. M. Box 27

No. 624 Main Street. Occupied by Salted Peanut Co. No fire. Smoke from furnace.

Thursday, February 8, 5.50 P. M. Still Alarm

No. 14 Green Street. Owned and occupied by J. P. Eustis as factory. Loss trifling. Cause, overheated steam pipe in box.

Friday, February 9, 10.04 A. M. Box 178

Potter Street. Owned by American Rubber Co. Loss, $100. Insurance, $800. Occupied by American Rubber Co. as factory. Loss, $100. Insurance, $100. Cause, friction in rubber cement mixer.

Friday, February 9, 4.41 P. M. Box 43

No. 888 Massachusetts Avenue. Owned by Israel Nesson. Loss, $8,700. Insurance, $60,000. Occupied by David E. Stimpson as dwelling. Loss, $600. Insurance, $600. Occupied by N. D. Fisher. Loss, $600. Insurance, $600. Occupied by E. W. Flynn. Loss, $257. No insurance. Occupied by C. J. Wilson. Loss, $50. No insurance. Occupied by E. M. Bird. Loss, $600. Insurance, $600. Occupied by Frank Kellogg. Loss, $50. Insurance, $300. Occupied by Henry Miller. Loss, $128. Insurance, $1,000. Occupied by H. Bloose. Loss, $175. Insurance, $1,000. Occupied by G. E. McKinnon. Loss, $17.50. Insurance, $300. Occupied by G. H. Hazlett. Loss, $25. No insurance. Occupied by G. C. Wheeler. Loss, $10. Insurance, $1,200. Occupied by J. M. Crosby. Loss, $100. No insurance. Cause, careless throwing fire in well hole of dumb waiter. Fire extended from basement to roof. Box 433 alarm for same fire as from Box 43.

Friday, February 9, 10.24 P. M. Box 43

No. 888 Massachusetts Avenue. Rekindling of previous fire on roof.

Saturday, February 10, 6.38 A. M. Box 94

Church fire in Watertown.

Saturday, February 10, 9.20 A. M. Still Alarm

No. 14 Williams Street. Owned by William Clouston. No loss. Occupied by R. W. Harris as dwelling. Loss trifling. Cause, broken lamp.

Saturday, February 10, 10.40 A. M. Box 28

No. 211 Harvard Street. Owned by J. M. Whittemore. No loss. Occupied by Floyd Carman as dwelling. Cause, water front of stove exploded.

Saturday, February 10, 12.45 P. M. Still Alarm

No. 18 Concord Avenue. Owned and occupied by J. W. White as dwelling. No loss. Cause, chimney fire.

Saturday, February 10, 1.25 P. M.

Engine No. 5 responded to Somerville Box 26.

Saturday, February 10, 4.45 P. M. Still Alarm

No. 13 Cottage Street. Owned and occupied by N. W. Perkins as dwelling. No loss. Cause, careless dropping fire in oily rags.

Saturday, February 10, 7.14 P. M. Box 25

No. 157 Main Street. Owned and occupied by Bay State Fuel Co. as storage. No loss. Cause, fire from stovepipe hole in chimney dropping on bags.

Sunday, February 11, 11.17 A. M. Still Alarm

No. 57 Brewster Street. Owned by E. B. Whittemore. Loss trifling. Occupied by Austin White as dwelling. No loss. Cause, thawing water pipes with a torch.

Monday, February 12, 8.45 A. M.

Accidental automatic from Irving & Casson.

Monday, February 12, 9.05 P. M. Still Alarm

Brattle Square. Owned and occupied by Boston Elevated Railway as shed. No loss. Cause, upset salamander stove.

Tuesday, February 13, 2.05 A. M. Box 23

No. 54 Webster Avenue. Owned by Faria Bros. Loss, $799. Insurance, $1,000. Occupied by S. B. Whittemore as stable. Loss, $300. Insurance, $500. Occupied by M. Graham. Loss, $300. No insurance. Occupied by J. J. O'Brien. Loss, $100. No insurance. Occupied by J. J. O'Toole. Loss, $300. Insurance, $500. Occupied by Roger Sullivan. Loss, $219. Insurance, $400. Cause, careless smoking in stable.

Tuesday, February 13, 6.23 A. M. Box 291

No. 302 Elm Street. Owned by James S. Campbell. Loss, $20. Insurance, $2,500. Occupied by Henry Fawcett as dwelling. Loss, $100. Insurance, $500. Cause, fire in coat from tobacco pipe.

Tuesday, February 13, 9.07 A. M. Box 29

No. 402 Norfolk Street. Owned and occupied by John Toomey as dwelling. Loss, $25. Insurance, $2,000. Cause, thawing water pipes with a torch.

Tuesday, February 13, 1.55 P. M. Box 741

Rear 53 Cedar Street. Owned by Callaghan estate. Loss trifling. Occupied by David Marquis as stable. No loss. Cause, careless dropping fire in hay dust.

Tuesday, February 13, 5.38 P. M. Still Alarm

No. 24 Quincy Street. Owned and occupied by Colonial Club. No loss. Cause, chimney fire.

Thursday, February 15, 2.58 P. M. Still Alarm

No. 1098 Cambridge Street. Owned by Patrick Ferry. Loss, $50. Insurance, $2,000. Occupied by E. Addleman as dwelling. No loss. Cause, thawing water pipes with torch.

Friday, February 16, 5.05 P. M. Still Alarm

No. 175 Mount Auburn Street. Tree fire.

Friday, February 16, 6.06 P. M. Box 13

No. 8 Gore Street. Owned by Maurice Coloplotisky. Loss, $240. Insurance, $1,500. Occupied by G. Silva as dwelling. No loss. Cause, thawing water pipes with torch.

Friday, February 16, 6.13. Box 433

No. 744 Massachusetts Avenue. Owned by Prospect Union Association. No loss. Cause, chimney fire.

Saturday, February 17, 1.28 P. M. Box 684

No. 77 Crescent Avenue. Owned and occupied by A. H. Hews Co. as pottery. Loss trifling. Cause, oily rags.

Saturday, February 17, 1.51 P. M. Box 41

No. 1396 Cambridge Street. Owned by Mellen estate. Loss, $200. Insurance, $15,000. Occupied by Cunningham Drug Co. as drug store. Loss, $700. Insurance, $3,000. Cause, careless dropping fire in rubbish in cellar.

Saturday, February 17, 5.46 P. M. Box 122. False Alarm

Monday, February 19, 7.37 P. M. Still Alarm

No. 25 Winslow Street. No fire. Cause, reflection of gas light mistaken for fire.

Monday, February 19, 9.12 P. M. Box 721

No. 2225 Massachusetts Avenue. Owned by Henderson Bros. Loss, $907. Insurance, $6,000. Occupied by Frank Goodhue as provision store. Loss. $790. Insurance, $1,500. Cause, careless dropping match in rubbish in cellar.

Tuesday, February 20, 8.43 P. M. Box 7

No. 1896 Massachusetts Avenue. Owned by James Conley. Loss, $650. Insurance, $4,000. Occupied by Wm. Haley as plumber. Loss, $50. Insurance, $600. Occupied by McFee & Campbell as painters' shop. Loss, $500. Insurance, $300. Cause, spontaneous combustion in paint pot.

Tuesday, February 20, 10.17 P. M. Box 79.

No. 4 Cedar Square. Owned by John F. O'Brien. Loss trifling. Occupied by Abraham Goldberg as dwelling. Loss, $100. Insurance, $400. Cause, careless use of candle in dark clothes closet.

Wednesday, February 21, 1.30 A. M.

Accidental automatic from National Biscuit Co.

Thursday, February 22, 2.30 P. M. Box 15

Foot of Binney Street. Owned by John T. Scully as unoccupied shed. Loss trifling. Cause, set afire by boys.

Thursday, February 22, 7.30 P. M. Box 783

Nos. 2599-2601 Massachusetts Avenue. Owned by Henderson Bros. Loss, $2,464. Insurance, $1,500. Occupied by Henderson as storage. Loss, $1,000. Insurance, $1,250. Occupied by Daniel Falcom as barber shop. Loss, $800. Insurance, $1,000. No. 2579. Occupied by Jeremiah Roberts as dwelling. Loss, $2,000. No insurance. No. 2593. Owned by Souther-Blaikie. Loss, $1,800. Insurance, $2,500. Occupied by L. J. Barratta as dwelling. Loss, $400. No insurance. Occupied by Peter Cagua as dwelling. Loss, $200. No insurance. Cause, thawing water pipes with torch in barber shop.

No. 8 Gladstone Street. Owned by Henderson Bros. Loss, $892. Insurance, $1,500. Occupied by Santa Barbieri as dwelling. Loss, $200. Insurance, $500. Occupied by Joseph Luccirano as dwelling. Loss, $150. No insurance. Cause, spread from Massachusetts Avenue.

No. 43 Tannery Street. Owned by Muller estate. Loss, $2,500. Insurance, $2,500. Occupied by G. P. Muller as dwelling. Loss, $1,000. No insurance. Cause, spread from Massachusetts Avenue. Four alarms.

Thursday, February 22, 10.55 P. M. Still Alarm

No. 60 Berkshire Street. Owned by D. Crimmins. Occupied by M. O'Connor as dwelling. No loss. Cause, chimney fire.

Friday, February 23, 10.50 A. M. Box 511

Off Church Street. Owned and occupied by Harvard University as storehouse. Loss trifling. Cause, sparks from chimney on roof.

Sunday, February 25, 12.08 A. M. Box 245

No. 5 Harvard Place. Owned by Sousa estate. No fire. Cause, smoke from stove.

Sunday, February 25, 10.12 P. M. Box 124. False Alarm

Tuesday, February 27, 5.45 P. M. Still Alarm

No. 240 Western Avenue. Owned by Frank Nesson. No loss. Occupied by Joseph Lipsitz as dwelling. No loss. Cause, meat burning on stove.

Wednesday, February 28, 10.21 A. M. Still Alarm

No. 44 Martin Street. Owned by Tracy heirs. No loss. Occupied by E. F. Schiebe as dwelling. Loss trifling. Cause, cleaning clothes with gasoline.

Thursday, February 29, 10.35 A. M. Box 38

No. 91 River Street. Owned by E. H. La Pierre. Loss trifling. Occupied by M. Becker as shoe shop. No loss. Cause, careless dropping fire in paper.

March, 1912

Friday, March 1, 5.10 P. M. Still Alarm

No. 1 Pelham Street. Owned by M. J. Walsh. Loss, $20. Insurance, $1,200. Occupied by Nora McCarthy as dwelling. No loss. Cause, sparks from foundry on roof.

Friday, March 1, 5.47 P. M. Still Alarm

No. 8 Bigelow Street. Owned by Nettie Bean. No loss. Occupied by H. E. Hadlock as dwelling. No loss. Cause, chimney fire.

Friday, March 1, 10.05 P. M. Still Alarm

No. 4 Hastings Square. Owned and occupied by W. J. Corcoran as dwelling. No loss. Cause, careless dropping fire in charcoal in cellar.

Saturday, March 2, 1.25 P. M. Box 291

No. 1025 Cambridge Street. Owned by J. P. Squire's estate. Loss, $50. Insurance, $14,000. Occupied by Manuel Medeiros as dwelling. Loss, $10. No insurance. Cause, awning fire.

Saturday, March 2, 6.42 P. M. Still Alarm

No. 361 Broadway. Owned and occupied by A. T. Sennott as dwelling. Loss trifling. Cause, oil stove took fire.

Saturday, March 2, 11.59 P. M. Still Alarm

No. 31 Harvey Street. Grass fire.

Sunday, March 3, 3.53 P. M. Still Alarm

No. 1385 Cambridge Street. Owned by John Macfarlain. No loss. Occupied by Charles Jenness as provision store. Loss, $50. Insurance, $1,000. Cause, dropping fire from window onto awning.

Sunday, March 3, 4.25 P. M. Box 34

Off Allston Street. Owned and occupied by G. & F. Vail as tool house. Loss trifling. Cause, defect in brick furnace.

Monday, March 4, 4.40 A. M. Box 18

No. 80 Spring Street. Owned by Conlan estate. Loss, $50. Insurance, $200. Occupied by Dingbat Club as club room. No loss. Cause, fire from stove on floor.

Tuesday, March 5, 3.15 P. M. Box 178.

Potter Street. Owned by American Rubber Co. Loss, $100. Insurance, $800. Occupied by American Rubber Co. as factory. Loss, $100. Insurance, $100. Cause, friction in machine.

Tuesday, March 5, 3.24 P. M. Box 47

No. 45 Dunster Street. Owned by Geo. G. Wright estate. Loss, $750. Insurance, $6,000. Occupied by Thomas Griffin as dwelling. Loss, $188.34. Insurance, $1,000. Cause, child set fire to bed.

Tuesday, March 5, 4.24 P. M. Box 21

No. 100 Willow Street. Owned by R. B. Plummer. Loss trifling. Occupied by Julia Roach as dwelling. Loss, $25. No insurance. Cause, unknown, fire in clothing hanging on wall.

Tuesday, March 5, 6.40 P. M. Box 782

Fire in Somerville.

Tuesday, March 5, 11.00 P. M. Box 23

No. 57 Plymouth Street. Owned by James R. Murphy. No loss. Occupied by M. J. Stone as grocery store. Loss trifling. Cause, hot ashes on cellar stairs.

Wednesday, March 6, 9.00 A. M. Box 64

Berkeley Street. Owned by B. F. Wild. Automobile fire.

Wednesday, March 6, 2.41 P. M. Box 254

Amherst Street. Occupied by Eastern Motor Co. No loss. Cause, careless throwing fire behind boiler.

Wednesday, March 6, 6.00 P. M. Still Alarm

Binney Street. Dump fire.

Wednesday, March 6, 6.33 P. M. Box 295

No. 117 Hampshire Street. Owned by Martha Whittemore. Loss trifling. Occupied by M. O'Keeffe as grocery. No loss. Cause, carless dropping fire in rubbish in cellar.

Thursday, March 7, 5.40 P. M. Still Alarm

No. 21 Sacramento Street. Occupied by F. E. Balsh as dwelling. No fire. Smoke from stove.

Friday, March 8, 12.30 P. M. Box 21. False Alarm

Sunday, March 10, 3.23 P. M. Box 14

No. 46 Second Street. Owned by Irving & Casson. No loss. Occupied by Manuel Neves as dwelling. No loss. Cause, pan of fat on stove.

Sunday, March 10, 7.09 P. M. Box 43

No. 888 Massachusetts Avenue. Owned by Israel Nesson. Loss trifling. Occupied by several families as dwelling. No loss. Cause, heat under gas stove burned floor.

Sunday, March 10, 8.20 P. M. Still Alarm

No. 99 Irving Street. Owned and occupied by J. Fox as dwelling. No loss. Cause, chimney fire.

Monday, March 11, 9.16 A. M. Box 28

No. 227 Harvard Street. Owned by Sevey estate. No loss. Occupied by James Ryan as dwelling. No loss. Cause, thawing water pipes with torch.

Monday, March 11, 7.44 P. M. Box 13

East Street. Owned by Boston & Maine Railroad as carload of fruit. Loss to car, $10. Insurance, $1,500. Loss to fruit, $200. Insurance, $200. Cause, overheated stove.

Wednesday, March 13, 1.12 P. M. Box 191

No. 115 Seventh Street. Owned and occupied by John Manning as dwelling. No fire. Smoke from stove.

Wednesday, March 13, 7.57 P. M. Still Alarm

Fourth Street. Tree fire.

Wednesday, March 13, 8.29 P. M. Box 271

Albany Street. Owned by Endicott estate. Loss trifling. Occupied by Sterling Chemical Co. as factory. Loss trifling. Cause, explosion of sulphur.

Friday, March 15, 4.20 P. M. Box 21

No. 799 Cambridge Street. Owned and occupied by Samuel Sergi as dwelling. Loss, $90. Insurance, $2,000. Cause, child set fire to curtain.

Tuesday, March 19, 4.41 P M.. Box 191

No. 152 Gore Street. Owned and occupied by E. McManus as dwelling. Loss trifling. Cause, child set fire to curtain.

Wednesday, March 20, 7.29 P. M. Box 27

No. 27 School Street. Owned by Brooks estate. Loss, $100. Insurance, $4,000. Occupied by J. Seroinsky as dwelling. Loss, $168. Insurance, $500. Cause, overturned oil lamp.

Saturday, March 23, 1.05 P. M. Still Alarm

No. 151 Windsor Street. Owned by J. Wiseman. Loss trifling. Occupied by Minnie Dulong as dwelling. Loss, $24. Insurance, $500. Cause, careless dropping fire on bed.

Saturday, March 23, 6.33 P. M. Box 39

No. 3 Central Square. Owned by J. A. Holmes. Loss, $500. Insurance, $20,000. Occupied by W. H. Lertora as photographer. Loss, $200. No insurance. Occupied by C. S. Harrison as optician. Loss, $45. Insurance, $700. Cause, careless dropping fire in rubbish in cellar.

Sunday, March 24, 12.06 A. M. Still Alarm

Cor. Harvard and Quincy Street. Owned by Harvard University. Loss, $1,000. Insurance, $240,000. Occupied by Harvard Union Club as club house. Loss, $500. Insurance, $30,000. Cause, careless dropping fire on floor.

Sunday, March 24, 6.54 P. M. Box 29

No. 361 Prospect Street. Owned by Bridget Burk. Loss, $45. Insurance, $3,300. Occupied by Mary McCarthy as dwelling. Loss, $31.68. Insurance, $500. Cause, bottle of varnish near stove exploded.

Monday, March 25, 6.45 A. M. Box 295

No. 124 Elm Street. Owned and occupied by L. Pearlman as dwelling. Loss trifling. Cause, gas stove too near woodwork.

Thursday, March 28, 11.43 P. M. Box 7

No. 1906 Massachusetts Avenue. Owned by C. F. Hathaway. Loss, $250. Insurance, $7,500. Occupied by C. F. Hathaway as bakery. Loss, $25. Insurance, $500. Cause, careless dropping fire in rubbish.

Friday, March 29, 12.45 A. M. Still Alarm

No. 178 Hampshire Street. Owned by C. C. Ames. Loss trifling. Occupied by S. Whoroby as tailor shop. No loss. Cause, soot from chimney in enclosed fireplace.

Friday, March 29, 4.55 P. M. Box 18

No. 11 Fourth Street Place. Owned by M. A. Rosegard. Occupied by George Nelson as dwelling. No loss. Cause, chimney fire.

Sunday, March 31, 6.46 P. M. Box 21. False Alarm

Sunday, March 31, 7.56 P. M. Box 381

No. 230 Western Avenue. Owned by Israel Nesson. Loss, $366. Insurance, $6,500. Occupied by Herman Ropeort as dwelling. Loss, $267. Insurance, $500. Cause, child set fire to bed.

REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND

The following is the thirty-fourth annual report relative to this fund, as prepared by the City Treasurer:—

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876) the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen and the President of the Common Council.

The City Treasurer is custodian of the fund.

Amount of fund March 12, 1908	$2,371 70
Interest to January 30, 1912	430 79
Total	$2,802 49

Two-thirds of the income amounting to $287.19 was paid to the Overseers of the Poor, and the balance, $143.60, was added to the principal, leaving a balance of $2,515.30 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent per annum.

(Signed) TIMOTHY W. GOOD,
City Treasurer.

As all the essential facts in relation to this fund are recited in the report of the City Treasurer, the Trustees desire only to repeat the suggestion embodied in previous reports, that other charitable persons may be disposed to add their contributions to the fund.

J. EDWARD BARRY,
JAMES T. BARRETT,
FREDERICK H. BURKE,

Trustees of the Bridge Charitable Fund.

CITY CLERK'S REPORT OF FEES AND LICENSES

OFFICE OF THE SOLDIERS' AID DEPARTMENT,
CAMBRIDGE, April 8, 1912.

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—The following is the eighth annual report of the Soldiers' Aid Department for the year ending March 31, 1912.

The disbursement of aid to veterans and widows of the Civil and Spanish wars is made in accordance with the provisions of Chapter 468 of the Legislative Acts of the year 1909, and granted under the supervision of a committee of the Board of Aldermen consisting of five members. As the beneficiaries advance in years their needs are more pronounced, and while few, if any, are not assisted, some discretion is required in reviewing the appeals of the applicants, in order to be certain that no worthy person is allowed to suffer.

During the past year there has not, as was anticipated, been a large increase in the rolls and the number of deaths have been small, therefore the appropriation asked for in the beginning of the year has not been entirely expended.

The following shows the losses and gains in beneficiaries, also the receipt and expenditures during the year:—

Appropriation for the year	$28,300 00	
Transferred to Reserve Fund	1,200 00	
Balance		$27,100 00
EXPENDED		
Payrolls, State Aid	$11,900 00	
Military Aid	761 00	
Soldiers' Relief	12,409 00	
Salary of Clerk	600 00	
Other expenses including board, burials, etc.	1,194 26	
Total expended		$26,864 26
Returned to Treasury		$235 74
Total number of beneficiaries, March 31; 1911		420
Loss during the year		63
Total		357
Gain during the year		67
Number on rolls March 31, 1912		424

REPORT OF AGENT OF SOLDIERS' AID

Office of the City Clerk, April 1, 1912.

To the Honorable, the City Council of the City of Cambridge:—

Gentlemen:—The undersigned respectfully submits an account of the sum received for Fees and Licenses from April 1, 1911, to April 1, 1912, to wit:—

FEES

Certified copies from records	$198 25	
Recording mortgages, assignments, etc.	522 85	
Dog licenses	340 40	
Married women's certificates	9 75	
Business certificates	20 90	
Sundry fees	131 40	
Total		$1,223 55

LICENSES

Auctioneers	$42 00	
Pool, bowling alleys and billiards	112 00	
Wagons, carriages and drivers	452 00	
Intelligence offices	56 00	
Junk stores, collectors and dealers	1,524 00	
Peddlers	174 00	
Marriages	1,315 00	
Lord's Day	288 00	
Gasoline	42 00	
Pawnbrokers and small loans	125 00	
Detectives	20 00	
Sundry	9 00	
Total		$4,159 00

The foregoing amount has been paid into the City Treasury. Receipts from dog licenses have been $4,353.00. Of this amount the City Clerk's fee (twenty cents for each license issued), which amounted to $340.40, is included in the above list of fees. The balance, amounting to $4,012.60, has been credited to the Treasurer of Middlesex County.

Respectfully submitted,

EDWARD J. BRANDON,
City Clerk.

The assistance given in connection with the disbursement of Aid is greatly appreciated and proves that Massachusetts will never forget those who responded from '61 to '65.

Respectfully submitted,

EBEN W. PIKE,

Agent for Soldiers' Aid.

REPORT OF THE CAMBRIDGE WATER BOARD

June 1, 1912.

To the Honorable, the City Council of the City of Cambridge:

The forty-seventh annual report of the Cambridge Water Board for the year ending March 31, 1912, is herewith submitted for your consideration.

The reports of the Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the Water Works.

FINANCIAL STATEMENT IN BRIEF

Total cost of the Water Works to March 31, 1911	$6,512,190 59
Expended during the past year on Construction Account	35,314 43
Total cost to March 31, 1912	$6,547,505 02

WATER WORKS BOND ACCOUNT

Whole amount of bonds outstanding	$3,084,100 00
Less value of water debt sinking fund	1,542,087 30
Net water debt on March 31, 1912	$1,542,012 70

During the past year $12,500.00 of three and one-half per cent water bonds and $185,000.00 of four per cent water bonds matured and were paid.

On December 1, 1911, thirty-year three and one-half per cent bonds to the amount of $10,000.00 and serial bonds to the amount of $24,000.00 were issued, making the total amount of water bonds outstanding $163,500.00 less than on March 31, 1911.

CONSUMPTION OF WATER

The total consumption of water for the year ending April 1, 1912, was	3,868,026,800	gallons
The total consumption of water for the year ending April 1, 1911, was	3,794,689,680	"
Increase over last year	73,337,120	"
Average daily consumption in 1911	10,568,380	"
Average daily consumption in 1910	10,396,410	"
Increase over last year	171,970	"

It is remarkable how closely the receipts from the sale of metered water follow the increased consumption of water. The daily average increase in consumption for the last year was about 172,000 gallons which, if charged for at fifteen cents per hundred cubic feet, would yield a revenue of about $12,000.00 for the year. Our receipts for metered water for the year show an increase of $11,000.00.

It seems to us to be quite conclusive that the waste of water is certainly not increasing.

WATER SUPPLY

During almost the entire year there was a constant and steadily increasing diminution in the water stored in our various reservoirs. In the late winter and early spring we commenced to gain in the reservoirs and we are entering on a new year with an ample supply of water. Stony Brook and Hobbs Brook Reservoirs are overflowing, and Fresh Pond is full. At the date of this report, June 1, 1912, the water still continues to flow to waste over the spillways of the dams at Stony and Hobbs Brooks Reservoirs, and, as the indications are that this condition will continue for some time, we are assured of an abundant supply of water during the present year.

FUTURE DEVELOPMENT

The Water Board has under consideration the Reports of Consulting Engineer Frederic P. Stearns, Professor Hector J. Hughes of Harvard University, and a preliminary report of City Engineer Hastings, each of whom has, during the past year, been studying the water supply problem. We have delayed presenting these reports to the City Council for the reason that City Engineer Hastings is still studying the feasibility of increasing the storage capacity of Fresh Pond by building embankments; he is also considering the advisability of constructing another storage reservoir, and is making surveys and plans for the extension of the sixty-three-inch concrete conduit to Hobbs Brook Reservoir. We expect very soon to obtain a final report from the City Engineer, after which we will have all the studies put in print and send them to the City Council together with our recommendations.

METERS

Two hundred twenty-three meters were placed during the year, making the total number in use 4,792—30% of the services now being metered. The number of applications for meters dropped off about one-half as compared with the preceding year, showing conclusively that the reduction in the schedule rates has had a deterrent effect upon such applications.

IN GENERAL

Although from various necessary causes the cost of Maintenance has been $10,000.00 more than ordinarily, and, notwithstanding that this year a revision of the rates was made which reduced the receipts about $21,000.00, yet the increase in the receipts for metered water and the saving in interest and sinking fund requirements has resulted in a surplus for the year of $23,900.00 above all charges for maintenance, interest and sinking fund requirements.

ANDREW J. RADY,
JOHN L. O'BRIEN,
JAMES J. SCULLY,
JOSEPH E. DOHERTY,
B. E. McDERMOTT,

Cambridge Water Board.

REPORT OF THE WATER REGISTRAR

Water Registrar's Office,
Cambridge, April 1, 1912.

To the Cambridge Water Board:

In compliance with the requirements of the City Ordinance I present the forty-seventh annual report of the operations of this department, showing the receipts, expenditures, abatements, etc., for the year ending March 31, 1912:

Amount of bills remaining unpaid March 31, 1911:

Water rates	$2,144 75	
Supplies and repairs	1,913 25	
Off and on	145 00	
Seals	10 50	
Maintenance account	1,739 55	
Construction account	1 827 05	

Amount of bills placed in hands of City Treasurer for collection from April 1, 1911, to March 31, 1912.

Water rates	$362,246 30	
Supplies and repairs	9,446 81	
Off and on	504 00	
Rents	72 00	
Seals	48 75	
Maintenance account	1,059 22	
Construction account	13,969 55	
Total bills		$395,126 73

There has been collected:

Water rates	$354,666 37
Supplies and repairs	8,846 59
Off and on	509 00
Rents	72 00
Seals	47 50
Maintenance account	1,029 79
Construction account	15,332 24

There has been abated:

Water rates, off and on, and seals, supplies and repairs, and Construction account	1,741 44

There remains uncollected:

Water rates	$8,008 37	
Supplies and repairs	2,489 34	
Off and on	140 00	
Seals	10 75	
Maintenance account	1,768 98	
Construction account	464 36	
		$395,126 73

EXPENDITURES

Construction account, from April 1, 1911, to March 31, 1912	$45,461 71	
Maintenance account, from April 1, 1911, to March 31, 1912	97,893 82	
Serial bonds paid	12,500 00	
Study of water supply	3,781 78	
		$159,637 31

ABATEMENTS

Water rates and supply and repair bills, from April 1, 1911, to March 31, 1912, to the amount of		$1,741 44

REFUNDS

Water rates from April 1, 1911, to March 31, 1912, to the amount of	$775 35	
Which amount deducted from receipts	354,666 37	
Leaves net receipts for water	$353,891 02	
Add off and on, rents, fines, seals, and Maintenance account	10,504 78	
Makes net receipts of rates, fines, etc.		$364,395 80

OFF AND ON

Water has been shut off for non-payment of rates, or per order on account of vacancy, and seals have been applied to fixtures by requests of owners as follows:

Water shut off from April 1, 1911, to March 31, 1912	671
Supplies let on, shut off from April 1, 1911, to March 31, 1912	545
Supplies let on, shut off in previous years	73
New supplies let on, from April 1, 1911, to March 31, 1912	208
Seal locks applied to fixtures from April 1, 1911, to March 31, 1912	221
Seal locks removed, put on from April 1, 1911, to March 31, 1912	137
Seal locks removed, put on in previous years	141

Statement of yearly revenue received from water rates since the purchase of the works by the City:—

From April 28, 1865, to December 1, 1865	$32,367 19
From December 1, 1865, to December 1, 1866	40,073 27
From December 1, 1866, to December 1, 1867	53,733 62
From December 1, 1867, to December 1, 1868	63,747 42
From December 1, 1868, to December 1, 1869	76,149 30
From December 1, 1869, to December 1, 1870	92,605 95
From December 1, 1870, to December 1, 1871	111,782 65
From December 1, 1871, to December 1, 1872	127,201 30
From December 1, 1872, to December 1, 1873	146,117 32
From December 1, 1873, to December 1, 1874	153,634 27
From December 1, 1874, to December 1, 1875	138,880 37
From December 1, 1875, to December 1, 1876	179,166 76
From December 1, 1876, to December 1, 1877	154,843 59
From December 1, 1877, to December 1, 1878	157,443 91
From December 1, 1878, to December 1, 1879	164,681 90
From December 1, 1879, to December 1, 1880	173,325 49
From December 1, 1880, to December 1, 1881	170,062 73
From December 1, 1881, to December 1, 1882	177,430 80
From December 1, 1882, to December 1, 1883	179,361 89
From December 1, 1883, to December 1, 1884	161,526 27
From December 1, 1884, to December 1, 1885	185,544 36
From December 1, 1885, to December 1, 1886	199,404 43
From December 1, 1886, to December 1, 1887	204,748 64
From December 1, 1887, to December 1, 1888	211,156 27
From December 1, 1888, to December 1, 1889	221,124 70
From December 1, 1889, to December 1, 1890	231,116 32
From December 1, 1890, to December 1, 1891	227,054 53
From December 1, 1891, to December 1, 1892	237,527 08
From December 1, 1892, to December 1, 1893	242,219 78
From December 1, 1893, to December 1, 1894	250,032 71
From December 1, 1894, to December 1, 1895	268,813 62
From December 1, 1895, to December 1, 1896	281,030 00
From December 1, 1896, to December 1, 1897	291,457 62
From December 1, 1897, to December 1, 1898	297,129 78
From December 1, 1898, to December 1, 1899	302,569 00
From December 1, 1899, to December 1, 1900	319,479 37
From December 1, 1900, to December 1, 1901	320,468 01
From December 1, 1901, to December 1, 1902	323,000 53
From December 1, 1902, to December 1, 1903	333,777 34
From December 1, 1903, to December 1, 1904	339,109 27
From December 1, 1904, to December 1, 1905	343,916 00
From December 1, 1905, to December 1, 1906	355,768 47
From December 1, 1906, to December 1, 1907	373,151 35
From December 1, 1907, to March 31, 1909 (16 months)	410,533 41
From April 1, 1909, to March 31, 1910	351,264 86
From April 1, 1910, to March 31, 1911	375,722 42
*From April 1, 1911, to March 31, 1912	353,891 02

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*Reduction in water rate schedule.

COMPARATIVE STATEMENT

	1910–1911		1911–1912	
Construction Account				
HOBBS BROOK CONDUIT				
Received				
Balance of 1909-1910 appropriation	$ 3,759 36			
Transferred from Hobbs Brook Conduit extension	1,802 24			
From sale of bonds	10,000 00		$6,000.00	
Balance from 1911-1912 appropriation		$15,561 60	635 39	$6,635 39
Expended				
Land settlements, etc.	$14,926 21		4,150 00	
Balance to credit of 1911-1912	635 39			
Balance to credit of 1912-1913		15,561 60	2,485 39	6,635 39
Construction Account				
GENERAL				
Received				
From balance of 1909-1910 appropriation	$3,664 45			
From bonds issued	6,500 00		$28,000 00	
From balance of 1911-1912 appropriation		$10,164 45	4,101 19	$32,101 19
Expended				
Sundry bills and pay rolls	$6,063 26		$31,164 43	
Balance to credit of 1911-1912	4,101 19			
Balance to credit of 1912-1913		10,164 45	936 76	32,101 19
Construction Account				
SUBWAY				
Received				
Balance from 1909-1910 appropriation	$9,812 17			
Appropriation	17,000 00			
Balance of 1910-1911 appropriation			$5,150 93	
Transferred from receipts from collections from Boston Elevated Railway Company		$26,812 17	5,000 00	$10,150 93
Expended				
Sundry bills and pay rolls	$21,661 24		$10,147 28	
Balance to credit of Construction Account	5,150 93			
Balance to credit of 1912-1913		26,812 17	3 65	10,150 93

COMPARATIVE STATEMENT—Concluded

	1910–1911		1911–1912	
Maintenance Account				
Received				
From rates, fines, etc.	$389,253 73		$366,912 69	
Accrued interest on bonds sold	455 33		28 15	
Balance from 1909-1910	33 01			
Premium on bonds issued			275 40	
		$389,742 07		$367,216 24
Expended				
Salaries of Superintendent, Registrar, etc.	$12,296 67		$14,777 79	
General Expenses and Reservoirs	46,996 58		57,282 00	
Pumping Salaries and other expenses	23,582 16		21,321 48	
Ice for drinking fountains	712 65		734 20	
Purchase and setting meters	4,824 02			
Services of City Treasurer and City Solicitor	2,500 00		2,500 00	
Abatements and Refunds	3,180 19		2,516 79	
Sinking Fund	120,624 50		104,097 50	
Interest on water debt	137,582 75		122,522 75	
Serial bond paid	12,500 00		12,500 00	
Grading Playground, Huron Avenue	650 00		1,278 55	
Study of water supply	5,000 00		3,781 78	
Balance due Sinking Fund	19,292 55		23,903 40	
		$389,742 07		$367,216 24
Balance due Sinking Fund 1910-1911		$19,292 55		
Balance due Sinking Fund 1911-1912				$23,903 40

The usual house to house inspection has been made.

Respectfully submitted,

Registrar.

ANNUAL STATEMENT OF THE WATER REGISTRAR TO THE COMMITTEE ON ACCOUNTS

March 31, 1912.

March 31, 1912.

Uncollected March 31, 1911:

Water rates	$2,144 75		
Supplies and repairs	1,913 25		
Off and on	145 00		
Seals	10 50		
Maintenance account	1,739 55		
Construction account	1,827 05		
		$7,780 10	

Bills placed in the hands of the City Treasurer for collection from April 1, 1911, to March 31, 1912:

Water rates	$362,246 30		
Supplies and repairs	9,446 81		
Off and on	504 00		
Rents	72 00		
Seals	48 75		
Maintenance account	1,059 22		
Construction account	13,969 55		
		$387,346 63	
Total bills			$395,126 73

There has been collected:

Water rates	$354,666 37		
Supplies and repairs	8,846 59		
Off and on	509 00		
Rents	72 00		
Seals	47 50		
Maintenance account	1,029 79		
Construction account	15,332 24		
		$380,503 49	

There has been abated:

Water rates, off and on, and seals, supplies and repairs, and construction account	$1,741 44		
		$1,741 44	

There remains uncollected:

Water rates	$8,008 37		
Supplies and repairs	2,489 34		
Off and on	140 00		
Seals	10 75		
Maintenance account	1,768 98		
Construction account	464 36	$12,881 80	
Total bills for collection			$395,126 73
Less abated	$1,741 44		
Less refunded	775 35		
Less unpaid	12,881 80		
			$15,398 59
Net receipts			$379,728 14

Attest:

Registrar.

Cambridge, April, 1912.

We have examined the accounts of the Water Registrar and find that they correspond in the amounts collected, abated, refunded, and uncollected with the statement submitted by the City Treasurer and verified by the City Auditor.

Committee on Accounts.

REPORT OF THE SUPERINTENDENT OF WATER WORKS

Cambridge, Mass., April 1, 1912.

To the Honorable Water Board of the City of Cambridge:

Gentlemen:—Complying with the requirements of the City Ordinance, I herewith submit the annual report of the Superintendent for the year extending from April 1, 1911, to March 31, 1912.

CONSUMPTION

	Gallons
Total quantity of water consumed from April 1, 1911, to March 31, 1912	3,868,026,800
Total quantity of water used for construction and sprinkling streets, from April 1, 1911, to March 31, 1912	90,031,875
Total quantity of water used for flushing sewers from April 1, 1911, to March 31, 1912	6,000,000
Total quantity of water used for cleaning sanitaries from April 1, 1911, to March 31, 1912	6,500,000
Total quantity of water used for public buildings from April 1, 1911, to March 31, 1912	4,900,000
Total quantity of water used for drinking fountains from April 1, 1911, to March 31, 1912	35,000,000
Total quantity of water used for testing meters from April 1, 1911, to March 31, 1912	23,850
Total quantity of water used for fire purposes from April 1, 1911, to March 31, 1912	5,700,000
Number of gallons daily for each inhabitant from April 1, 1911, to March 31, 1912	100

Comparative Statement of Total Consumption During the Past Ten Years

Year	Annual Consumption	Increase or Decrease	Average Daily Consumption	Increase or Decrease	Average Daily Consumption per Capita	Estimated Population
	Gallons	Gallons	Gallons	Gallons	Gallons	
*1902	2,930,553,545	145,397,105 increase	8,028,914	398,348 increase	85.27	94,152
*1903	3,160,704,360	230,150,815 "	8,659,463	630,549 "	89.56	96,685
*1904	3,210,982,145	50,277,785 "	8,773,175	113,712 "	89.68	97,825
*1905	3,294,159,640	83,177,495 "	9,025,095	251,920 "	92.63	97,426
*1906	3,386,180,600	92,020,960 "	9,277,207	252,112 "	92.83	99,934
*1907	4,038,875,720	652,695,120 "	11,065,413	1,788,206 "	110.00	99,912
*1908	3,842,170,340	196,705,380 decrease	10,497,733	567,680 decrease	104.00	100,000
†1909	3,692,451,980	149,718,360 "	10,116,307	381,426 "	101.00	100,000
†1910	3,678,588,720	13,763,260 "	10,078,325	37,982 "	97.84	103,000
†1911	3,794,689,680	116,100,960 increase	10,396,410	318,085 increase	99.16	104,839
†1912	3,868,026,800	73,337,120 "	10,568,380	171,970 "	100.00	104,839

* Figures for year extending from December 1 to November 30.
† Figures for year extending from April 1 to March 31.

The following statistics refer to year extending from April 1, 1911, to March 31, 1912:

Total amount of coal consumed	4,923,900 lbs
Daily average coal consumed	13,726 lbs·
Coal consumed per million gallons pumped	1,273 lbs.
Highest water elevation in Fresh Pond was on March 31, 1912	16.61
Lowest water elevation in Fresh Pond was on November 27, 1911	12.27
Average height of water in Fresh Pond	14.37
Highest water elevation in Stony Brook Reservoir was on March 16, 1912	82.18
Lowest water elevation in Stony Brook Reservoir was on June 30, 1911	64.92
Highest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on March 13, 1912	181.30
Lowest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on April 1, 1911	174.60
Highest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on March 31, 1912	180.25
Lowest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on September 30, 1911	169.60
Total rainfall at Fresh Pond Pumping Station	35.60
Total rainfall at Stony Brook Reservoir	42.63
Total rainfall at Hobbs Brook Reservoir	39.90

Total Rainfall for the Past Ten Years at Fresh Pond Reservoir

Conforming to New Fiscal Year, Ending March 31

	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
April	3.56	3.98	8.57	2.87	2.02	2.64	1.54	3.41	2.46	2.27
May	1.08	.35	3.58	1.30	5.73	2.86	3.03	1.53	1.31	.44
June	2.40	8.46	2.74	4.41	3.81	2.66	.70	3.45	4.44	3.66
July	3.14	3.72	1.70	1.86	3.26	1.20	3.21	1.45	1.87	4.86
August	3.62	3.81	2.53	3.06	1.43	.69	3.40	3.03	.84	4.01
September	3.36	1.72	5.87	5.97	2.31	7.92	.64	5.11	2.51	3.12
October	4.65	4 54	1.85	1.30	2.86	2.57	3.16	.88	1.08	1.14
November	1.37	1.70	2.83	2.91	2.80	5.95	.58	3.15	3.72	3.32
December	4.37	2.87	1.92	3.63	4.10	3.87	2.27	3.11	2.09	3.43
	1903	**1904**	**1905**	**1906**	**1907**	**1908**	**1909**	**1910**	**1911**	**1912**
January	3.19	5.00	3.47	2.46	2.46	3.28	3.92	4.53	2.64	2.72
February	3.50	3.00	1.09	2.73	1.59	3.39	4.81	4.44	2.82	2.24
March	4.89	2.35	2.52	5.67	1.91	2.97	3.41	.88	3.08	4.39
Total inches	39.13	41.50	38.67	38.17	34.28	40.00	30.67	34.97	28.86	35.60

Total Rainfall for the Past Year at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
1911	Inches	Inches	Inches
April	2.27	2.51	1.82
May	.44	.63	.67
June	3.66	3.12	3.23
July	4.86	4.29	4.51
August	4.01	5.68	4.60
September	3.12	3.82	3.40
October	1.14	2.88	3.00
November	3.32	4.54	4.53
December	3.43	3.85	3.43
1912			
January	2.72	2.70	2.60
February	2.24	2.61	2.25
March	4.39	6.00	5.86
Total (inches)	35.60	42.63	39.90

Total Rainfall for the Past Ten Years at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs

	Fresh Pond Reservoir	Stony Brook Reservoir	Hobbs Brook Reservoir
	Inches	Inches	Inches
Year extending from December 1, to November 30			
1902	43.31	44.58	42.24
1903	44.23	45.97	47.42
1904	42.89	41.18	39.95
1905	32.68	38.40	37.96
1906	38.71	39.16	39.16
1907	36.55	42.32	39.20
1908	29.77	34.93	31.50
Year extending from April 1, to March 31			
1909	30.67	34.87	34.77
1910	34.97	37.83	35.08
1911	28.86	31.78	28.26
1912	35.60	42.63	39.90

FRESH POND PUMPING STATION

	RUNNING TIME			PUMPAGE		COAL CONSUMED		Rainfall	Average Height of Pond
	Engine No.	Total	Daily Average	Total	Daily Average	Total	Daily Average		
		Hours	Hours	Gallons	Gallons	Pounds	Pounds	Inches	Feet
1911									
April	7	381.50	12.70	304,322,920	10,144,097	393,600	13,120	2.27	15.74
May	7	427.50	13.79	337,605,400	10,890,496	421,000	13,580	.44	16.21
June	7	389.50	12.98	310,723,600	10,357,435	388,100	12,936	3.66	15.98
July	7	417.50	13.47	328,659,320	10,601,913	403,000	13,000	4.86	14.26
August	7	393.00	12.68	305,872,160	9,866,843	378,600	12,212	4.01	13.41
September	7	372.50	12.41	289,519,120	9,650,637	361,100	12,036	3.12	13.33
October	7	395.75	12.76	304,878,000	9,834,781	392,600	12,664	1.14	12.79
November	7	387.50	12.91	296,271,360	9,875,712	376,600	12,553	3.32	12.39
December	7	407.25	13.13	311,777,920	10,057,352	402,700	12,990	3.43	13.26
1912									
January	7	476.50	15.37	376,147,200	12,133,780	487,500	15,725	2.72	14.64
February	7	456.75	15.75	360,892,400	12,444,565	467,300	16,113	2.24	14.67
March	7	431.75	13.92	341,357,400	11,011,532	451,800	14,574	4.39	15.67
Total		4,937.00		3,868,026,800		4,923,900		35.60	
Daily Average			13.49		10,568,380		13,726		14.37

Fresh Pond Reservoir

	Lowest Elevation During Month	Highest Elevation During Month	Monthly Rainfall
1911			
April 1	15.06	......	......
April 30	......	16.25	2.27
May 10	......	16.36	......
May 31	16.12	......	.44
June 14	......	16.19	......
June 30	15.44	......	3.66
July 1	......	15.35	......
July 28	13.51	......	4.86
August 1	......	13.86	......
August 25	13.09	......	4.01
September 3	......	13.45	......
September 29	13.10	......	3.12
October 1	......	13.10	......
October 31	12.55	......	1.14
November 17	12.27	......	......
November 30	......	12.58	3.32
December 1	12.63	......	......
December 31	......	14.08	3.43
1912			
January 1	14.32	......	......
January 27	......	14.81	2.72
February 18	14.38	......	......
February 29	......	......	2.24
March 1	15.01	......	......
March 31	......	16.61	4.39
			35.60

PUMPING STATION

Slight repairs have been required on the boilers during the past year and they are now in good condition.

The Leavitt engine, as in years past, has pumped all of the water used.

The Worthington engines are in condition to be started at any time.

The windows in the monitor roof over the fire room should be repaired so that they can be operated from the floor. The present arrangement has never been satisfactory, and it is now practically inoperative.

The grounds about the station have received the usual care.

I would renew my recommendation of past years for the installation of a coal handling plant at the station.

Mr. William J. Massey, the chief engineer, resigned March 1, 1912, and Mr. P. J. Barry has been appointed in his place.

The electric wiring about the station has been overhauled and changed so as to conform to the underwriters' requirements.

OPERATING EXPENSES AT THE PUMPING STATION

for the year extending from April 1, 1911, to March 31, 1912.

Advertising	$9 25
Building repairs	61 52
Drain	180 07
Electric work and supplies	93 12
Engines, boilers and repairs	414 12
Expressage	13 90
Fire extinguishers, etc.	88 59
Fuel	9,295 95
Gauge charts and glasses	13 90
Hardware, tools, etc.	149 70
Ice	19 55
Inspector of boilers	15 00
Legal expense of McKiernan hearing, etc.	208 30
Lumber	1 60
Oil, waste and packing	918 04
Screens	6 72
Sealer of weights and measures	1 89
Telephone	57 73
Venturi meter repairs	8 43
	$11,557 38
Salaries, labor, etc.	9,764 10
	$21,321 48

FORTY-INCH STEEL MAIN

We have had one leak develop in the forty-inch steel pumping main this year in Boat House Nook. This was repaired in the usual manner by bands and rubber pads held on by cast iron pieces.

PAYSON PARK RESERVOIR

The basins are in the same condition as last year.

The gate house and fixtures are in good condition.

I would recommend that a substantial appropriation be made for dressing for the remainder of the banks as they are very much in need of it.

During the past year a drain has been laid, consisting of part twenty-inch and part sixteen-inch pipe, from near Belmont Cemetery to Payson Park Reservoir, to take all of the water coming from the reservoir drains and from the grounds about the reservoir into Fresh Pond. This work is at present nearly completed.

PIPE YARD

The buildings at the pipe yard are in fair condition.

The fences are badly rotted and should be renewed the present year.

The brick work at the end of the stable together with the manure pit should be rebuilt.

I would renew my recommendation that the land along the line of the Grand Junction Railroad be secured for storage of main pipe, as it would add very much to the convenience of the department.

The horses at the yard are, almost without exception, in very poor condition, and there should be purchased this year, in order to put this department in anything like an efficient condition, four more horses.

I would strongly recommend the purchase of an auto truck of about two tons capacity. I think it is much needed and would be extremely useful to the department.

LEAKAGE

Twenty-six hundred fifty-five (2,655) leaks have been reported during the year. This is the second largest number ever reported and includes the number twenty-three hundred fifty-one (2,351) found by the inspectors on their annual canvas; these were repaired by the owners or occupants of the property.

57 on baths.
27 on basins.
403 on faucets.
26 on pipes.
16 on tanks.
19 on wash tubs.
1,803 on water closets.

2,351 total found by inspectors.

1 on 2-inch main.
2 on 3-inch mains.
6 on 4-inch mains.
15 on 6-inch mains.
1 on 8-inch main.
1 on 10-inch main.
3 on 12-inch mains.
1 on 20-inch main.
1 on 24-inch main.
1 on 40-inch pumping main.
1 on 63-inch concrete conduit.
4 on standpipes.
9 on hydrants.
7 on 6-inch gates.

2 on 10-inch gates.
5 on 12-inch gates.
1 on meter.
1 on hydrant branch.
6 on supplies on premises.
233 on supplies in street, of which 5 were caused by electrolytic corrosion and 3 leaks on supplies in street, which were caused during subway construction.

Following is an account of the number of leaks reported during the past ten years and those caused by electrolytic corrosion:

*1902	2,339	13
*1903	2,281	10
*1904	2,114	24
*1905	2,119	14
*1906	2,274	24
*1907	2,999	24
†1907–9	3,537	10
‡1910	2,571	21
‡1911	2,200	14
‡1912	2,655	4

* For years ending November 30.
† For sixteen months ending March 31, 1909.
‡ For year ending March 31.

Table Showing the Total Consumption for the Year Ending March 31, 1912, as compared with the Year Ending March 31, 1911

	Total Consumption Year Ending March 31, 1911	Total Consumption Year Ending March 31, 1912	Increase	Decrease
	Gallons	Gallons	Gallons	Gallons
April	308,385,440	304,322,920	....	4,062,520
May	325,120,400	337,605,400	12,485,000	....
June	316,075,760	310,723,600	....	5,352,160
July	338,417,200	328,659,320	....	9,757,880
August	319,956,560	305,872,160	....	14,084,400
September	300,333,320	289,519,120	....	10,814,200
October	316,343,280	304,878,000	....	11,465,280
November	295,517,200	296,271,360	754,160	....
December	331,696,640	311,777,920	....	19,918,720
January	322,930,520	376,147,200	53,216,680	....
February	301,850,120	360,892,400	59,042,280	....
March	318,063,240	341,357,400	23,294,160	....
Total	3,794,689,680	3,868,026,800	73,337,120	....

MAIN PIPE

As recommended in past years I would again call the attention of the Board to the need of making a special appropriation for cleaning some of the mains in the city. At the present time this work can be done at very reasonable cost, and I think is something of vital importance.

During the year we have extended our main pipes 5,813 feet and renewed 2,424 feet which represents our usual annual work; but in connection with the subway construction 2,033 feet of main pipes have been laid in previously unsupplied locations and 3,995 feet renewed.

The list of pipes laid with the gates and hydrants set will be found on pages 036, 021, 022.

The renewals were made as follows:—

In Allen Street, from Massachusetts Avenue to Orchard Street, 320 feet of six-inch pipe were laid and the old four-inch pipe laid in 1874–1879 was removed.

In Appian Way, between Brattle and Garden Streets, the old four-inch pipe, laid in 1868, was removed and a new six-inch pipe laid.

The small pipe in Baldwin Court has been removed and a new one and one-quarter inch laid.

In Bristol Street, between Hampshire Street and Webster Avenue, a six-inch pipe has been laid to take the place of the old four-inch pipe which was laid in 1878.

In Day Street, from Massachusetts Avenue to Somerville line, the old four-inch pipe laid in 1868, has been replaced by a new six-inch pipe.

In Dover Street the old four-inch pipe, laid in 1871, has been replaced by a new six-inch pipe.

In Huron Avenue, from Lake View Avenue, east, the old four-inch main formerly connected to the old pumping main, laid in 1877, has been removed and all the supplies have been connected to the new six-inch main which was laid during the year.

SUBWAY

In connection with the subway construction the work has not been so great as in the past two years; the list will be found on page 022.

The large part of the changes and extensions have been made in the following locations:—

In Massachusetts Avenue, from Harvard Square to Quincy Square, the old ten-inch and eight-inch pipes have been removed and new ten-inch and eight-inch pipes laid to supply that district.

The mains in all of the side streets on the south side of Massachusetts Avenue have been connected to the new ten-inch pipe.

In the Murray Street district an eight-inch pipe has been laid through Bennett Street, University Road, Charles River Road and Murray Street, connecting Bennett Street.

In Main Street, from Carleton to Wadsworth Street, a twelve-inch pipe was laid.

In Mt. Auburn Street, from Boylston Street, west, a twelve-inch pipe was laid to Brattle Square, where, reduced to ten-inch, it was extended across the square to connect Mt. Auburn Street, west from the square.

MAIN PIPE LAID, NUMBER OF GATES AND FIRE HYDRANTS

	PIPE		Gates	Hydrants
	Length Feet	Size Inches	Size Inches	Kind
Alberta Terrace, from Cedar Street, east	256	4		
Alberta Terrace, at Cedar Street, east			4	
Allen Street, from Massachusetts Ave. to Orchard Street	320	6		
Allen Street, at Orchard Street, south			6	
Appian Way, from Brattle Street to Garden Street	486	6		
Ashburton Place (blow off)				
Baldwin Street Court	189	1¼		
Bristol Street, from Hampshire Street to Webster Avenue	317	6		
Bristol Street, at Hampshire Street, east			6	
Bristol Street, at Webster Avenue, west			6	
Charles Street, from Second Street towards First Street	153	6		
Charles Street, at Second Street			6	
Charles Street (blow off)	3½	1½		
Concord Avenue, from Chilton Street to Walden Street	750	12		
Concord Avenue, at Chilton Street (at main)			6	
Concord Avenue, at Walden Street, west			12	
Concord Avenue, 115 feet from Fayerweather Street, east	12	6		Corey
Copley Street, from Fayerweather Street to Walden Street	564	6		
Copley Street, at Walden Street, east			6	
Copley Street, 256 feet from Walden Street	5	6		Corey
Copley Street (blow off)				
Day Street, from Massachusetts Avenue to Somerville line	346	6		
Day Street, 14 feet from Massachusetts Avenue	7	6		Holyoke
Dover Street, from Massachusetts Avenue to Somerville line	364	6		
Fayerweather Street, from Concord Avenue to Walden Street	998	6		
Fayerweather Street, at Concord Avenue, east			6	
Fayerweather Street, at Copley Street, east			6	
Fayerweather, 158 feet from Copley Street, east	7	6		Holyoke
Fayerweather Street, 68 feet from Walden Street	7	6		Holyoke
Fresh Pond Lane, from extension, north	258	6		
Fresh Pond Lane, on new extension	6½	6		Corey
Frisbie Place (two blow offs)				
Gore Street, east from Third Street				Holyoke
Granville Road, from Huron Avenue to Vassal Road	554	6		
Granville Road, at Huron Avenue, north			6	
Granville Road, at Vassal Road, south			6	
Granville Road, between Vassal Road and Huron Avenue	6	6		Holyoke
Henderson Court, from Day Street	27	4		
Henderson Court, at Day Street			4	
Hollis Park, from Hollis Street	176½	2		
Hollis Park, (blow off)	3	1½		
Huron Avenue from Lake View Ave. to Standish Street	375	6		
Huron Avenue, 13 feet from Standish Street	10	6		Holyoke
Huron Avenue, at Lake View Avenue, east			6	
Lancaster Street, from Massachusetts Avenue, north	193	6		
Lancaster Street, at Massachusetts Avenue, north			6	
Landsdowne Street, from Pacific Street to connect with extension from Franklin Street	671	8		
Landsdowne Street, at Pacific Street			8	
Landsdowne Street, 267 feet from Pacific Street	7	6		Holyoke
Larch Road, extension to Wyeth Terrace	476	6		
Larch Road, at Wyeth Terrace			6	
Larch Road, 122 feet from Wyeth Terrace				Corey
Orchard Street, opposite Tenney Street				Chapman
Potter Park (blow off)				
Putnam Square, west side corner Massachusetts Avenue			10	
State Street, opposite Village Street				Holyoke
Vassal Road, from Fayerweather Street to Granville Road	220	6		
Vassal Road, at Fayerweather Street, east			6	
Vassar Street, from extension from Massachusetts Avenue	411	6		
Washington Street, west from Cherry Street				Holyoke
Winslow Street, at right angle near Oliver Street	21	6		
Winslow Street, from near Oliver Street, west	105	2		

MAIN PIPE LAID

Number of Gates and Fire Hydrants in Connection with Subway Construction

	PIPE		Gates	Hydrants
	Length Feet	Size Inches	Size Inches	Kind
Austin Street, at Norfolk Street, connecting around Metropolitan main	42	6		
Bennett Street, from Murray Street to University Road	408	8		
Bennett Street, at Murray Street			8	
Bennett Street, 174 feet from Murray Street	6	6		Holyoke
Bow Street, at Massachussetts Avenue	39	6		
Boylston Street, connection at Mt. Auburn Street	20	20		
Boylston Street, connection at Mt. Auburn Street	30	8		
Brattle Square, north side, from Mt. Auburn Street to Brattle Street	292½	10		
Brattle Square, 60 feet from Mt. Auburn Street	6	6		Holyoke
Brattle Square, cross connection from 10-inch, north side to Mt. Auburn Street	62	10		
Brattle Square, at Mt. Auburn Street on cross connection			10	
Brattle Square, south side, from 10-inch cross-over, east to Winthrop Street	160	6		
Brattle Square, on 6-inch, to Winthrop Street	14	6		Holyoke
Brattle Square, from 10-inch cross-over, west, to connect with 1½-inch	59	2		
Broadway, at Third Street (supply)	64	1		
Charles River Road, from Murray Street to University Road	542	8		
Charles River Road, at Murray Street			8	
Charles River Road, 214 feet from Murray Street	6	6		Holyoke
Charles River Road, 52 feet from University Road	6	6		Holyoke
Dunster Street, at Massachusetts Avenue	17	6		
Harvard Square, opposite Dane Hall (supply)	26	6	6	
Holyoke Street, at Massachusetts Avenue	18	6		
Linden Street, at Massachusetts Avenue	16	6		
Main Street, south side, from Carleton Street to Wadsworth St.	531½	12		
Main Street, south side, at Carleton Street, east			12	
Main Street, south side, to connect at Wadsworth Street	14	8		
Main Street, south side, on cross-over at Wadsworth Street			8	
Main Street, north side, from Pioneer Street, east (supply)	178	4	4	
Main Street, south side, Kendall Square (supply)	27	4	4	
Massachusetts Avenue, north side from Harvard Square to Quincy Street	1,031	8		
Massachusetts Avenue, south side, from Harvard Square to Bow Street	1,042	10		
Massachusetts Avenue, at Boylston Street, east			10	
Massachusetts Avenue, at Plympton Street, east			10	
Massachusetts Avenue, south side, Central Square (supply)	17½	4	4	
Massachusetts Avenue, north side, near Prospect Street (supply,	31	4	4	
Mt. Auburn Street, from Boylston Street to Brattle Square	282	12		
Mt. Auburn Street, at Boylston Street, north			12	
Mt. Auburn Street, at Boylston Street, south, to connect 24-inch	54	20		
Mt. Auburn Street, at Boylston Street, south			20	
Murray Street, connecting fire supply (car house)	18	4		
Murray Street, from Bennett Street to Charles River Road	814	8		
Murray Street, at Charles River Road, east			8	
Murray Street, 278 feet from Bennett Street, west	7	6		Holyoke
Murray Street, 276 feet from Charles River Road, east	7	6		Holyoke
Murray Street, on hydrant at Charles River Road	7	6		
Plympton Street, at Massachusetts Avenue	17	6		
University Road, from Bennett Street, to Charles River Road	538	8		
University Road, at Bennett Street, west			8	
University Road, at Charles River Road, east			8	
University Road, supply at car house	4	8	8	

SUPPLIES

There have been six hundred sixty-nine (669) supplies laid during the year.

The total number to date is fifteen thousand, nine hundred five (15,905).

New service connections were made in two hundred twenty-nine (229) locations.

Four hundred three (403) were renewed on application and for cause of leakage.

Twenty-one (21) were renewed in connection with the renewal of main pipes.

Sixteen (16) were renewed in streets that were resurfaced where it was considered unnecessary to renew main pipes.

Of the foregoing number of supplies, in one (1) location tin-lined pipe was used, in four hundred seventy-six (476) locations lead-lined pipe was used, in one hundred sixty-nine (169) locations galvanized pipe was used, and in twenty-three (23) locations cast iron pipe was used as follows:—

Six-inch for Alberti Box Company, Osborn Street.

Six-inch for Ashton Valve Company, First Street.

Six-inch for Boston Elevated Railway Company, Boylston Street, Motormen's Lobby, Harvard Square.

Four-inch for Boston Elevated Railway Company, Central Square, south side.

Four-inch for Boston Elevated Railway Company, Central Square, north side.

Four-inch for Boston Elevated Railway Company, Kendall Square, south side.

Four-inch for Boston Elevated Railway Company, Kendall Square, north side.

Four-inch for Boston Elevated Railway Company, Massachusetts Avenue, at College Grounds.

Four-inch for Boston Elevated Railway Company, Massachusetts Avenue, at College Grounds.

Four-inch for Boston Elevated Railway Company, Murray Street (car house).

Eight-inch Boston Elevated Railway Company, University Road.

Six-inch for Cambridge Factory Trust, Windsor Street.

Six-inch for George Close Company, Broadway.

Six-inch for Dodge Motor Vehicle Company, Landsdowne Street.
Four-inch for Fiske, Sargent & Fiske, Amherst Street.
Six-inch for Harvard University, Austin Hall.
Six-inch for Harvard University, Jefferson Physical Laboratory.
Six-inch for Harvard University, Carey Building.
Six-inch for Main Street Trust, Amherst Street.
Four-inch for Masonic Temple, Massachusetts Avenue.
Six-inch for F. S. Payne & Co., Richdale Avenue.
Six-inch for W. F. Ross & Co., 200 Bridge Street.

In Huron Avenue from Standish Street to Lake View Avenue the supplies were not renewed when the new main was laid, but connected to the new main.

Eight (8) of the ten (10) large supplies laid for the Boston Elevated Railway Company were in connection with the subway construction.

Two hundred two (202) service boxes have been set to replace broken ones or on supplies not furnished.

The usual inspection of boxes is being made and those affected by the frost are being cared for as rapidly as conditions will permit.

One hundred fifty-nine (159) supplies have been cleaned and one hundred thirty-four (134) supplies thawed during this season.

The severe winter we have passed through warns us that we are very much in need of an apparatus for thawing supplies, and I would recommend that the purchase of an electric thawing outfit be considered by the Board.

The Water Board furnishes water for fire protection free of cost to its customers having a sprinkler system or hose connection on premises, the owner being obliged to make application in writing, agreeing to comply with the rules and regulations governing the introduction and use of such supplies and paying for the installation of supply pipes, gates, etc.

Following is the list of manufactories, etc., which are furnished with water for fire protection by the Cambridge Water Works:—

Alberti Box Co.	Osborn Street	6-in.
Allen and Endicott Building Co.	Albany Street	6-in.
Allen and Endicott Building Co.	Osborn Street	6-in.
American Rubber Co.	Binney Street	6-in.
American Rubber Co.	Potter Street	6-in.
American Circular Loom Co.	Clarendon Avenue	6-in.
American Circular Loom Co.	Tannery Street (Metered)	2-in.
American Linseed Co.	Fifth Street	6-in.
American Net and Twine Co.	Third Street	6-in.
American Net and Twine Co.	Second Street	6-in.
Ashton Valve Co.	First Street	6-in.

Barber Asphalt Paving Co.	First Street	6-in.
Bell Confectionery Co., J. S.	Sixth Street	6-in.
Blacker and Shepard Co.	Osborn Street (Metered)	1 1-2 in.
Blake & Knowles Steam Pump Works	Binney Street	8-in.
Blake & Knowles Steam Pump Works	Binney Street	6-in.
Blake & Knowles Steam Pump Works	Third Street	4-in.
Blanchard Machine Co.	State Street	6-in.
Boston Book Binding Co.	Mt. Auburn Street	6-in.
Boston Book Binding Co.	Mt. Auburn Street (Metered)	4-in.
Boston Confectioney Co.	Main Street	6-in.
Boston Confectionery Co.	State Street	6-in.
Boston Elevated Railway Co.	Baldwin Street	4-in.
Boston Elevated Railway Co.	Cambridge Street	Two 2-in.
Boston Elevated Railway Co.	Massachusetts Avenue	4-in.
Boston Elevated Railway Co.	Mt. Auburn Street	4-in.
Boston Elevated Railway Co.	Mt. Auburn Street	2-in.
Boston Elevated Railway Co.	Murray Street	4-in.
Boston Elevated Railway Co.	Murray Street	6-in.
Boston Elevated Railway Co.	River Street	4-in.
Boston Elevated Railway Co.	University Road	8-in.
Boston & Maine Railroad	Bridge Street	4-in.
Boston & Maine Railroad	Bridge Street	6-in.
Boston & Maine Railroad	East Street	6-in.
Boston & Maine Railroad	Prison Point Street	4-in.
Boston Woven Hose & Rubber Co.	Hampshire Street	8-in.
Boston Woven Hose & Rubber Co.	Portland Street	8-in.
Boston Woven Hose & Rubber Co.	Portland Street	4-in.
Boston Woven Hose & Rubber Co.	Portland Street (Metered)	2-in.
Cambridge Electric Light Co.	Western Avenue	6-in.
Cambridge Factory Trust Co.	Windsor cor. Mass. Avenue	6-in.
Cambridge Gas Light Co.	Third Street	6-in.
Cambridge Gas Light Co.	Second Street	6-in.
Cambridge Mutual Fire Insurance Co.	Mass. Avenue (Metered)	2-in.
Carter Ink Co.	First Street (Metered)	4-in.
Carter Ink Co.	Athenaeum Street	6-in.
Climax Paper Box Co.	Cottage Park Avenue	4-in.
Close Co., George	Broadway	6-in.
Columbia Jewelry Co.	Camp Street	6-in.
Commonwealth Custom Laundry	348 Franklin Street (Metered)	4-in
Davenport, A. H.	Cambridge Street	6-in.
Davenport, A. H.	Otis Street	6-in.
Dodge Motor Vehicle Co.	Landsdowne Street	6-in.
Dover Stamping & Manufacturing Co.	Pleasant Street	6-in.
Dow, John C., Co.	220 Portland Street (Metered)	2-in.
E. & R. Laundry Co.	Masssachusetts Avenue	6-in.
Elliot Addressing Machine Co.	Albany Street	6-in.
Eustis, J. P. Manufacturing Co.	Ames Street	6-in.
Ginn & Co.	First Street	6-in.
Ginn & Co.	Athenaeum Street	Two 6-in.
Goepper Brothers	Ninth Street (Metered)	1 1-2 in.
Gray, Peter & Sons	Third Street	6-in.
Harvard University	Austin Hall	6-in.
Harvard University	Harvard Union	4-in.
Harvard University	Jefferson Physical Laboratory	6-in.
Harvard University	Langdell Hall	4-in.
Harvard University	Memorial Hall (Metered)	Two 4-in.
Harvard University	Observatory	6-in.
Harvard University	Semitic Museum	4-in.
Hasty Pudding Club	Holyoke Street	4-in.
Hathaway, C. H. & Son	Richdale Avenue	4-in.
Hews Co., A. H.	Crescent Avenue	Two 4-in.
Holy Ghost Hospital for Incurables	Cambridge Street	3-in.
Houghton, Mifflin & Co.	Albro and Blackstone Streets	6-in.

Houghton, Mifflin & Co.	River Street	6-in.
Irving & Casson	Otis Street	6-in.
Irving & Casson	Thorndike Street	Two 6-in.
Irving & Casson	Thorndike Street (Metered)	2-in.
Ivers & Pond Piano Co.	Albany Street	4-in.
Ivers & Pond Piano Co.	Albany Street	6-in.
Ivers & Pond Piano Co.	Main Street	6-in.
Kendall & Sons, Edward	Main Street (Metered)	2-in.
Ladd & Barker	625 Landsdowne Street	6-in.
Lamb & Ritchie	Albany Street	6-in.
Lever Brothers, Limited—Boston Works	Harvard Street	8-in.
Lever Brothers, Limited—Boston Works	Broadway	6-in.
Lever Brothers Limited—Boston Works	Broadway	8-in.
Little, Brown & Co.	Putnam Ave.	6-in.
Luke, E. H., Estate of	Main Street (Metered)	2-in.
Main Street Trust	Amherst Street	6-in.
Main Street Trust	Amherst Street	6-in.
Masonic Temple	Massachusetts Avenue	4-in.
Mason & Hamlin Co.	Broadway	Two 6-in.
McLean, Isaac	Mt. Auburn Street (Metered)	4-in.
McLean, Isaac	Massachusetts Avenue	4-in.
Metropolitan Storage Warehouse Co.	Massachusetts Avenue	6-in.
Middlesex County House of Correction	Second and Spring Streets	6-in.
Monks' Laundry	Norfolk Street	6-in.
National Biscuit Co.	Franklin Street	4-in.
National Biscuit Co.	Franklin Street	6-in.
National Biscuit Co.	Green Street	8-in.
National Casket Co.	First Street	6-in.
Nichols, Annie W. H.	Ames Street	6-in.
North Packing & Provision Co.	Winsor Street	6-in.
O'Brien, Rev. John	Seventh Street	4-in.
Page Box Co., George G.	Hampshire Street	Two 6-in.
Payne, F. S. & Co	Richdale Avenue	6-in.
Peabody, Francis, Jr., *et al.*	Claverly Hall.	4-in.
Petterson, Oscar G.	183 Main Street	4-in.
Pierce, Trs. of Estate of Thomas	Broadway	6-in.
Pi Eta Club	Winthrop Square	2-in.
Porter, Henry S.	Kinnaird Street (Metered)	4-in.
Porter, Henry S.	Kinnaird Street	6-in.
Reardon & Sons, Corporation, John	Waverly Street (Metered)	4-in.
Revere Sugar Refinery	Water Street	6-in.
Reversible Collar Co.	Putnam Avenue	6-in.
Riverside Boiler Works	Harvard Street	4-in.
Ross, William F., Co.	201 Bridge Street	6-in.
Russell, Estate of Joseph G.	Albany and Pacific Streets	6-in.
Russell, Lucy J.	29 Elm Street (Metered)	1 1-2 in.
Sawyer & Son, Howard M.	Thorndike Street	4-in.
Sawyer & Son, Howard M.	Spring Street	6-in.
Sawyer & Son, Howard M.	Second Street	6-in.
Seaverns Piano Action Co., Geo. W.	Sidney Street	8-in.
Seelye Manufacturing Co.	First Street	4-in.
Sherburne, Estate of Reuben	Third Street	6-in.
Simplex Electrical Co.	Auburn Street	8-in.
Simplex Electrical Co.	Franklin Street	6-in.
Simplex Electrical Co.	Pilgrim Street	4-in.
Speare's Sons & Co., Alden	Rogers Street	4-in.
Speare's Sons & Co., Alden	Binney Street	4-in.
Squires, J. P. Co.	Gore Street	8-in.
Standard Oil Co.	Potter Street	6-in.
Standard Turning Works	Main Street	4-in.
Swan, Daniel A.	61 Broadway (Metered)	2-in.
Thairwell, William	Tudor Street	4-in.
Thayer & Co., Henry	Broadway	6-in.

Thompson Box Co.	Hampshire Street	6-in.
Thompson Box Co.	Hampshire Street	4-in.
Tower & Son, Sylvester	Broadway	4-in.
University Associates	Bow Street, Garage	6-in.
University Associates	Linden Street	4-in.
University Associates	Massachusetts Ave.	6-in.
University Associates	Massachusetts Ave.	4-in.
University Press	Nutting Place	6-in.
Ward, Corby Co.	Albany Street	6-in.
Warren Brothers & Co.	Potter Street	6-in.
Whittemore Brothers & Co.	Albany Street	4-in.
Youngman, William S.	Amherst Street	6-in.

SUPPLIES LAID DURING PAST TEN YEARS

YEAR	New Supplies	SUPPLIES RENEWED			Total Supplies Laid	Supplies furnished with sidewalk service boxes
		Application and Leakage	Attending Main Pipe Renewal	Total Supplies Renewed		
1902	161	110	167	277	438	51
1903	123	174	163	337	460	42
1904	111	190	87	277	388	39
1905	130	176	117	293	423	177
1906	129	230	15	245	374	113
1907	135	197	18	215	350	19
*1908	110	267	24	291	401	116
†1909	29	28	....	28	57	12
‡1910	156	332	56	388	544	144
‡1911	184	352	79	431	615	131
‡1912	229	403	37	440	669	202

* For year ending November 30, 1908.
† For four months ending March 31, 1909.
‡ For year ending March 31.

ICE WATER DRINKING FOUNTAINS

The cost of furnishing fountains with ice during the summer months of the past eight years

	LOCATION						COST	
	Cambridge Field	Cambridge Street at Third Street	Central Square	Harvard Square	Massachusetts Avenue at Blake Street	Massachusetts Avenue at Cameron Street	Total cost for year	Average cost per day per fountain
1904.	......	$145 50	$112 50	$105 60	$ 96 75	......	$460 35	$1 20
1905.	......	125 55	129 90	103 43	155 30	......	514 18	94
1906.	......	180 95	175 35	166 69	157 25	$115 40	795 64	1 57
1907.	$102 37	110 50	127 13	110 50	102 74	102 25	655 49	1 09
1908.	89 49	127 00	134 38	127 87	111 50	115 75	705 99	1 04
1909.	121 05	185 68	124 50	122 70	141 60	127 95	823 48	1 15
1910.	134 10	149 70	......	134 55	140 25	154 05	712 65	1 24
1911.	123 60	167 65	......	127 20	146 70	169 05	734 20	1 34

The excessive cost in 1906 was due to the increased prices of ice, which were twenty-five (25) cents, afterwards forty (40) cents, per one hundred (100) pounds; whereas in previous years, as well as in the following years, the prices have been twelve and one-half (12½) cents and fifteen (15) cents per one hundred (100) pounds.

STREET WATERING STANDPIPES

There has been no addition to the number of standpipes this year; the total number in use is seventy-two (72).

The street department has paid for the cost of repairs due to leakage, etc., that have been made by the water department, as in the past years.

GATES

Sixty (60) gates have been set during the year.

Nineteen (19) have been set on main pipe extensions and renewals.

Twelve (12) have been set on main pipe extensions and renewals in connection with the subway.

Twenty-three (23) have been set on new supplies.

Six (6) have been set in place of old ones removed.

The tables on pages 021, 022, 036, contain the numbers, sizes, etc., of the gates set this year.

BOXES

One hundred seventy-two (172) boxes have been placed this year as follows:

Forty (40) iron boxes have been placed on new supplies.
One (1) wooden box has been placed on new supplies.
One (1) concrete box has been placed on new supplies.
Nineteen (19) iron boxes have been placed on new mains.
Seven (7) small wooden boxes have been placed on new mains.
Twelve (12) iron boxes were used in connection with the subway changes.
Fourteen (14) iron boxes have replaced old boxes which were removed.
Thirty-two (32) wooden boxes were used when setting meters.
Thirty-nine (39) concrete boxes were used when setting meters.
Four (4) Merrill boxes were used when setting meters.
Three (3) iron boxes were used when setting meters.

HYDRANTS

Twenty-one (21) hydrants have been set during the year. Seventeen (17) in new locations and four (4) to replace those broken by teams, etc.

Four (4) hydrants have been removed from the locations following:

Gore Street at Third Street.
Orchard Street opposite Tenney Street.
State Street opposite Village Street.
Washington Street opposite Cherry Street.

Twenty-two (22) hydrants found defective during the annual inspection, etc., were repaired.

There are eleven hundred two (1,102) hydrants in use in the city.

Boston	151
Chapman	595
Coffin	42
Corey	33
Flush	82
Holyoke	107
Perkins	92
	1,102

I would recommend that we begin replacing flush hydrants with post hydrants where possible.

The flush hydrants that we have are of a very old pattern and are not satisfactory in case of a large fire. I think that an appropriation should be made for installing a certain number each year.

METERS

All meters are owned by the city and installed at its expense.

The total number of meters located on manufactories, houses, churches, etc., is forty-seven hundred ninety-two (4,792).

	6	4	3	2	1½	1¼	1	¾	⅝	Total
Crest	......	3	6	12	12	......	......	....	1	34
Crown	......	3	......	4	3	......	2	11	4	27
Empire	......	......	......	1	......	......	......	....	....	1
Gem	1	......	......	......	......	......	......	....	....	1
Hersey	......	1	5	38	18	......	103	276	709	1,150
Keystone	......	......	......	......	......	......	34	107	352	493
Lambert	......	......	......	......	......	......	7	18	84	109
Nash	......	......	......	......	......	......	......	10	....	10
Thomson	......	......	......	......	1	......	......	1	2	4
Torrent	......	......	......	12	2	......	......	....	....	14
Trident	......	......	3	7	10	1	93	241	452	807
Union Rotary	......	11	7	13	11	......	......	10	6	58
Watch Dog	......	......	......	......	......	......	......	1	1	2
Worthington	......	2	6	28	16	28	95	386	1,521	2,082
	1	20	27	115	73	29	334	1,061	3,132	4,792

In addition to the foregoing number of meters in use, the table following states the number, forty-four (44) which are located on public buildings, schoolhouses, police stations, and engine houses, etc., and from which the city receives no income.

	2	1½	1	¾	⅝	Total
Crown	1	1	1	1	1	5
Hersey	....	....	7	5	....	12
Keystone	....	....	1	....	....	1
Lambert	....	....	....	....	1	1
Torrent	1	....	....	....	....	1
Trident	....	....	9	....	3	12
Union Rotary	1	....	....	....	....	1
Worthington	....	1	6	2	2	11
	3	2	24	8	7	44

There have been two hundred twenty-three (223) meters added to the list this year.

	2	1½	1¼	1	¾	⅝	Total
Crown	1						1
Hersey	4	3		3	1	11	22
Keystone				5		3	8
Trident				1	3	9	13
Union Rotary	1				1		2
Worthington	1	1	3	6	29	137	177
	7	4	3	15	34	160	223

During the year ending March 31, 1912, there have been one hundred fifty-five (155) meters frozen.

I would strongly recommend the inauguration of the policy of installing detector meters on all of the fire supplies in the city. This I think is a matter that should receive the careful attention of the Board, as I am of the opinion that it would be to the interest of the city to make this change.

FRESH POND AND SURROUNDINGS

The usual work around Fresh Pond has been done this year as in years past.

The condition of the roads is not what we should like for want of suitable material to improve them with.

The moth work has received the usual attention.

The average height of the pond for the year has been 14.37.

The grass not needed has been sold at public auction.

The land taken for the playground on the southwest side of the pond should be enclosed with a wire fence to prevent the young people who congregate there from running over the banks.

The wire fence on Huron Avenue from Fresh Pond Lane to the Holworthy Street bridge is badly corroded and should be renewed this year.

TUNNELS UNDER THE BROAD CANAL

These tunnels have given us no trouble during the year.

STONY BROOK

The conduit has required no repairs during the past year.

I would renew the recommendation that a portion, at least, of this line be fenced.

WATER IN STONY BROOK RESERVOIR

Water in this basin has been drawn down the past year six feet one inch below full basin.

All the water drawn into Fresh Pond during the past five months has come wholly from this basin.

One cesspool has been built this year, making the total number at date thirty-four (34).

There are also eighteen (18) vaults.

The number of loads removed from the cesspools was twelve hundred sixty-one (1,261); from the vaults thirty-eight (38) barrels of material were removed.

STONY BROOK OVERFLOW, ETC.

	Gallons	Number of days	Rainfall
1911			
April	210,400,000	20	2.51
May			.63
June			3.12
July			4.29
August			5.68
September			3.82
October			2.88
November			4.54
December	63,700,000	6	3.85
1912			
January	40,800,000	10	2.70
February	188,900,000	5	2.61
March	891,400,000	28	6.
Total amount wasted	1,395,200,000		
Number of days in which water wasted		69	
Total rainfall			42.63

STONY BROOK OVERFLOW, ETC. FOR THE PAST TWENTY-FIVE (25) YEARS

	Gallons	Number of days	Rainfall
1888	6,000,000,000	....	....
1889	8,000,000,000	....	....
1890	8,700,000,000	....	....
1891	8,247,800,000	....	45.25
1892	3,688,900,000	....	39.82
1893	4,427,400,000	....	39.50
1894	2,853,000,000	....	35.79
1895	5,281,900,000	224	50.52
1896	5,704,700,000	224	50.52
1897	3,999,700,000	256	43.35
1898	5,704,600,000	260	54.03
1899	6,969,500,000	175	43.96
1900	4,447,100,000	145	51.34
1901	6,141,300,000	157	46.77
1902	6,539,100,000	182	44.58
1903	6,437,500,000	222	45.97
1904	5,726,399,000	171	41.18
1905	3,148,900,000	140	38.40
1906	3,510,700,000	170	39.16
1907	2,415,900,000	147	42.32
*1908	3,384,300,000	184	48.23
†1909	960,800,000	50	
‡1910	2,531,500,000	137	37.83
‡1911	57,200,000	22	31.78
‡1912	1,395,200,000	69	42.63

* Previous to 1908—Fiscal year ended November 30.
† Overflow from December 1, 1908, to March 31, 1909.
‡ Fiscal year ended March 31.

HOBBS BROOK RESERVOIR

From this basin the water has been drawn to grade 169.60, which was reached on September 30, 1911.

On October 18, 1911, the gates at Winter Street dam were closed and have remained closed up to the present writing.

The standing grass has been sold as usual.

Slight repairs have been made on the house of the keeper.

Overflow and number of days, by year, in which the water overflowed at Stony Brook Reservoir, January 1, to December 1

	Overflow Gallons	Number of days when water overflowed at Stony Brook Dam		
		Total	Hobbs Brook	
			Water at Elevation 181 or over	Water below crest
1905	3,219,000,000	153	112	41
1906	3,474,000,000	158	121	37
1907	2,866,000,000	179	70	109
1908	2,927,000,000	154	131	23
1909	1,765,000,000	118	0	118
1910	57,200,000	22	0	22
1911	274,100,000	26	0	26
Total	14,582,300,000	810	434	376
Average for 7 years	2,083,200,000	115	......	......

Number of days, by months, in which water overflowed at Stony Brook when Elevation of water at Hobbs Brook was 181 or over

	1905		1906		1907		1908		1909		1910		1911	
	No. of Days	Rainfall	No. of Days	Rainfall	No. of Days	Rainfall	No. of Days	Rainfall	No. of Days	Rainfall	No. of Days	Rainfall	No. of Days	Rainfall
January	....	5.33	....	2.56	....	3.06	9	3.53	....	4.21	....	4.98	....	2.82
February	....	1.62	7	2.83	....	1.98	29	4.83	....	5.14	....	3.88	....	2.97
March	20	3.46	31	6.16	....	2.02	31	3.66	....	3.95	....	1.53	....	3.44
April	30	2.48	30	2.39	25	3.49	30	1.48	....	4.	....	2.32	....	2.51
May	31	1.59	23	4.52	31	3.55	27	4.28	....	1.78	....	1.07	....	.63
June	30	5.38	21	2.18	14	2.52	5	1.25	....	3.08	....	4.85	....	3.12
July	1	1.89	9	4.87	....	1.64	....	3.56	....	1.61	....	2.20	....	4.29
August	....	3.11	....	2.33	....	1.58	....	3.97	....	2.95	....	1.18	....	5.68
September	....	7.09	....	1.59	....	8.36	....	.87	....	5.12	....	2.88	....	3.82
October	....	1.24	....	2.86	....	3.52	....	2.61	....	1.20	....	1.58	....	2.88
November	....	2.27	....	2.91	....	6.09	....	1.05	....	3.44	....	4.21	....	4.54
December	....	3.96	....	4.51	....	3.84	....	2.50	....	4.26	....	2.26	....	3.85
	112	39.42	121	39.71	70	41.65	131	33.59	....	40.74	....	32.94	....	40.55

The water in Hobbs Brook Basin did not reach Winter Street Dam crest elevation, *i. e.*, 181, during the years 1909, 1910 and 1911

HOBBS BROOK High water grade 181.00				High water grade 181.00				STONY BROOK			
Lincoln Street, Basin No. 1 Elevation of crest—181.			Monthly Rainfall	Winter Street, Basin No. 2 Elevation of crest—181.				Elevation of crest—81.			
	Lowest Elevation During Month	Highest Elevation During Month			Lowest Elevation During Month	Highest Elevation During Month	REMARKS		Lowest Elevation During Month	Highest Elevation During Month	Monthly Rainfall
1911			Inches	**1911**				**1911**			Inches
April 1	174.60			April 4	173.			April 1	79.75		
April 30		180.50	1.82	April 30		173.25		April 7		81.42	2.51
May 1	180.50			May 1	173.25			May 1		80.71	
May 31		180.50	.67	May 31		173.30		May 31	71.84		.63
June 13		180.65		June 1	173.30			June 1		71.42	
June 30	180.50		3.23	June 30		173.70	June 29. Opened gate	June 30	64.92		3.12
July 1		180.50		July 1		173.50	July 28. Closed gate	July 1	65.12		
July 28	179.85		4.51	July 28	171.75		July 31. Opened gate	July 29		67.60	4.29
Aug. 1		180.20		Aug. 1		171.85		Aug. 1	67.29		
Aug. 24	179.85		4.60	Aug. 31	170.25			Aug. 31		68.40	5.68
Sept. 1	180.15			Sept. 1		170.25	Sept. 1. Closed gate	Sept. 2		68.88	
Sept. 30		180.50	3.40	Sept. 30	169.60		Sept. 5. Opened gate	Sept. 25	65.46		3.82
							Sept. 16. Closed gate				
							Sept. 23. Opened gate				
							Sept. 26. Closed gate				
Oct. 1	180.50			Oct. 1	169.60		Oct. 13. Opened gate	Oct. 13	65.82		
Oct. 31		180.55	3.	Oct. 31		170.15	Oct. 18. Closed gate	Oct. 27		67.	2.88
Nov. 11	180.50			Nov. 1	170.20			Nov. 12	65.96		
Nov. 30		180.70	4.53	Nov. 30		171.45		Nov. 30		73.96	4.54
Dec. 12	180.60			Dec. 1	171.50			Dec. 1	74.33		
Dec. 24		180.90	3.43	Dec. 31		173.25		Dec. 30		81.27	3.85
1912				**1912**				**1912**			
Jan. 1		180.70		Jan. 1	173.35			Jan. 1		81.19	
Jan. 7	180.50		2.60	Jan. 31		174.60		Jan. 31	79.90		2.70
Feb. 1	180.55			Feb. 1	174.65			Feb. 20	74.54		
Feb. 28		181.	2.25	Feb. 29		176.55		Feb. 28		81.73	2.61
Mar. 9	180.65			Mar. 1	176.65			Mar. 8	80.92		
Mar. 13		181.30	5.86	Mar. 31		180.25		Mar. 16		82.18	6.
			39.90								42.63

On December 15, 1910, the gate in the upper basin (Lincoln Street) was opened for the first time since the construction of the basins; it was closed again March 27, 1911.

The "remarks" refer to the gate at the lower basin (Winter Street)

MAIN PIPE LAID, ETC., DURING THE PAST YEAR

	12 Inch	10 Inch	8 Inch	6 Inch	4 Inch	2 Inch	1½ Inch	1¼ Inch	Total
Length in feet of pipe (extension)	750	......	671	3,848	256	281½	6½	......	5,813
Length in feet of pipe (renewal)	......	......	......	2,208	27	......	......	189	2,424
Total length in feet	750	......	671	6,056	283	281½	6½	189	8,237
Number of gates	1	1	1	14	2	......	......	......	19
Number of hydrants	......	......	......	......	......	......	......	......	14
Number of gate boxes	......	......	......	......	......	......	......	......	19
Number of small wooden boxes	......	......	......	......	......	......	......	......	7
Number of wooden boxes with meters	......	......	......	......	......	......	......	......	32
Number of concrete boxes with meters	......	......	......	......	......	......	......	......	39
Number of Merrill boxes with meters	......	......	......	......	......	......	......	......	4
Number of gate boxes	......	......	......	......	......	......	......	......	3
Number of blow-offs	......	......	......	......	......	......	......	......	7

MAIN PIPE LAID, ETC., IN CONNECTION WITH SUBWAY CONSTRUCTION

	20 Inch	12 Inch	10 Inch	8 Inch	6 Inch	4 Inch	2 Inch	1 Inch	Total
Length in feet of pipe (extension)	......	531½	......	1,502	......	......	......	......	2,033½
Length in feet of pipe (renewal)	74	282	1,396½	1,875	309	......	59	......	3,995½
Total length in feet	74	813½	1,396½	3,377	309	......	59	......	6,029
Number of gates	1	2	3	6	......	......	......	......	12
Number of hydrants	......	......	......	......	......	......	......	......	7
Number of gate boxes	......	......	......	......	......	......	......	......	12

SUPPLIES	8 Inch	6 Inch	4 Inch		1 Inch	Total
Length in feet of cast iron pipe	4	26	271½	......	......	301½
Length in feet of lead lined pipe	......	......	......	......	64	64
Total length in feet	4	26	271½	......	64	365½
Number of cast iron supplies	1	2	7	......	......	10
Number of lead lined supplies	......	......	......	......	1	1
Total number of supplies	1	2	7	......	1	11
Number of gates	1	2	7	......	......	10
Number of gate boxes	......	......	......	......	......	10

NEW SUPPLIES LAID DURING PAST YEAR

	6 Inch	4 Inch	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	Total
Length in feet of cast iron pipe	327	114	......	......	......	......	......	441
Length in feet of lead lined pipe	......	......	214½	127	196½	1,585	2,998	5,121
Length in feet of galvanized pipe	......	......	750½	185	1,178½	1,351	435	3,900
Total length in feet	327	114	965	312	1,375	2,936	3,433	9,462
Number of cast iron supplies	3	10	......	......	......	......	......	13
Number of galvanized supplies	......	......	14	3	23	28	7	75
Number of lead lined supplies	......	......	......	......	1	44	86	131
Total number of new supplies	3	10	14	3	23	72	93	218
Number of stop and waste valves	......	......	11	2	22	73	86	194
Number of screw cocks	......	......	......	5	26	68	91	190
Number of sidewalk cocks	......	......	......	1	31	65	89	186
Number of service boxes	......	......	......	......	......	......	......	180
Number of gates	......	......	......	......	......	......	......	13
Number of gate boxes	......	......	......	......	......	......	......	30
Number of wooden gate boxes	......	......	......	......	......	......	......	1
Number of concrete boxes	......	......	......	......	......	......	......	1

1 8-inch, 2 6-inch, 7 4-inch and 1 1-inch supplies in addition to above work have been laid in connection with subway (see Subway Account).

SUPPLIES, ETC., RENEWED DURING THE PAST YEAR

	2 Inch	1½ Inch	1¼ Inch	1 Inch	¾ Inch	Total
Length in feet of galvanized pipe	35	103	387	1,123	4,183	5,831
Length in feet of lead lined pipe	....	326	35	766	6,399	7,526
Length in feet of tin lined pipe	....	....	....	46	....	46
Total length in feet	35	429	422	1,935	10,582	13,403
Number of supplies renewed with galvanized pipe	....	4	2	24	279	309
Number of supplies renewed with lead lined pipe	2	2	5	24	60	93
Number of supplies renewed with tin lined pipe	....	....	....	1	....	1
Total number of supplies renewed	2	6	7	49	339	403
Number of stop and waste valves	....	2	3	22	125	152
Number of screw cocks	....	....	6	22	48	76
Number of sidewalk cocks	....	....	6	26	73	105
Number of service boxes	....	....	....	....	....	202
Number of gate boxes	....	....	....	....	....	14

COMPARATIVE TRENCHING FOR THE PAST SIX YEARS

	MAIN PIPE				SUPPLIES		TOTAL	
	Extensions	Renewals	Subway Changes		New	Renewals	Feet	Miles
			Extensions	Renewals				
1906	7,443	1,357	....	....	4,835	8,716	22,351	4.23
1907	4,377	1,964	....	....	5,433	6,461	18,235	3.45
1908	2,877	918	....	....	5,730	8,361	17,886	3.38
1909	3,068½	918	....	....	6,674½	9,312½	19,973½	3.80
1910	5,361½	2,952	777	6,071	6,090	11,548	32,799½	6.21
1911	4,092	519	2,616	4,060	6,541½	13,032	30,860½	5.84
1912	5,813	2,424	2,033	3,995	9,476	13,403	37,144	7.03

SUMMARY OF STATISTICS

In form recommended by the New England Water Works Association.

CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts

GENERAL STATISTICS

Population by census 1910—104,839.
Estimated population March 31, 1911—104,839.

Cambridge Water Works Corporation was chartered in 1852 and organized in 1853.

The works were constructed in 1855—Mr. John Blake, consulting engineer— and came into possession of the city by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond. The waters of these additional sources were adjudged unfit for domestic use in 1880, and since that time have not been utilized for a supply by Cambridge.

In 1887, Fresh Pond was supplemented by a storage reservoir which had been constructed on Stony Brook located in Weston and Waltham. The waters from this brook are brought to Fresh Pond by a conduit, originally a thirty-inch cast iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir.

This extension of the works was made under the direction of Mr. N. Henry Crafts, as consulting engineer, and our city engineer, Mr. W. S. Barbour.

The population of the city was about 60,000.

In 1897 an additional provision was made for storing water by the construction of two large reservoirs on Hobbs Brook, which is a tributary of Stony Brook and flows through Lexington and Lincoln.

Consulting engineers, Mr. A. Fteley and Messrs. Rice and Evans, and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population at this time was about 87,500.

In 1905 and 1906 two sections of the Stony Brook pipe line were rebuilt, the new conduit being made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new thirty-inch main of cast iron pipe was laid to replace 1,500 feet of the old thirty-inch line.

The consulting engineer for the concrete conduit was Freeman C. Coffin, and our City Engineer, Mr. L. M. Hastings.

The new thirty-inch main was laid under the supervision of the Water Works Superintendent.

The conduit is constructed as follows:—

From Fresh Pond to River Street, Waltham, 27,405 feet of sixty-three inch concrete.

From River Street to Stony Brook dam, 1,500 feet of thirty-inch (new), 6,023 feet of thirty-inch (old), 4,826 feet of thirty-six-inch (old).

Mode of supply—Gravity from Hobbs Brook and Stony Brook reservoirs to Fresh Pond, pumping from Fresh Pond to Payson Park Reservoir, thence by gravity to consumers.

PUMPING STATISTICS

1. Builders of pumping machinery:—One Leavitt, built by Goshen High Duty Pumping Engine Company, of 20,000,000 gallons capacity; two Worthingtons, each 5,000,000 gallons capacity, and one Blake of 2,250,000 gallons capacity.

2. Description of fuel used:— a. Kind—bituminous.
   b. Brands of coal—"Beaver" and "New River."
   c. Price of coal per gross ton delivered from April 1, 1911, to March 31, 1912—"Beaver," $4.15, "New River," $3.85 and $3.90.

3. Coal consumed for the year—4,923,900 pounds.

4. Pounds of wood consumed divided by three equals equivalent amount of coal—500 pounds.

5. Total equivalent coal consumed for the year for pumping purposes—4,924,400 pounds.

6. Total pumpage for the year without allowance for slip—3,868,026,800 gallons.
7. Average static head against which pump works—159.13.
8. Average dynamic head against which pump works—191.27.
9. Number of gallons pumped per pound of equivalent coal—785.
10. Duty—125,299,412.

Cost of pumping figured on pumping station expenses, viz.: $21,321.48.

11. Per million gallons pumped—$5.51.
12. Per million gallons raised one foot (dynamic)—$.02$\frac{8}{10}$.

FINANCIAL STATISTICS

For year ending March 31, 1912.

EXPENDITURES

	Total Expenses	Operating Expenses
Total Maintenance:		
Pumping, general expenses	$11,557 38	$11,557 38
Pumping, salaries	9,764 10	9,764 10
Salaries	14,777 79	14,777 79
General expenses	38,294 41	38,294 41
Supply expenses	5,393 66	
Fresh Pond Reservoir	8,054 33	8,054 33
Payson Park Reservoir	942 84	942 84
Hobbs Brook Reservoir	1,707 85	1,707 85
Stony Brook Reservoir	2,888 91	2,888 91
Ice for fountains	734 20	
Playgrounds	1,278 55	
City Treasurer and City Solicitor	2,500 00	2,500 00
Study of water supply	3,781 78	
	$101,675 80	$90,487 61
Interest on bonds	122,522 75	
Sinking Fund	104,097 50	
Serial bond paid	12,500 00	
Refunds and abatements	2,516 79	
	$343,312 84	

Construction:

General	$28,394 46
Meters	2,769 97
Hobbs Brook Conduit	4,150 00
Subway	10,147 28
	$45,461 71

Net receipts from water rates, etc.:

Water rates, etc.	$354,666 37
Miscellaneous	10,504 88
Construction, general	1,575 48
Construction, subway	13,666 76
Construction, Hobbs Brook	90 00
	$380,503 49

Cost of works to date	$6,547,505 00
Bonded debt at date	3,084,100 00
Value of sinking fund at date	1,542,087 30
Average rate of interest	3½ and 4%

STATISTICS OF CONSUMPTION OF WATER

For the year extending from April 1, 1911, to March 31, 1912.

Estimated total population at date—104,839 (census 1910).
Estimated population on lines of pipe—104,839.
Estimated population supplied—104,839.
Total pumpage for year—3,868,026,800 gallons.
Average daily consumption—10,568,380 gallons.
Gallons per day to each inhabitant—100.
Gallons per day to each consumer—100.
Gallons per day to each tap—664.

Cost of supplying water per million gallons pumped, figured on total maintenance "operating expenses"—$23.40.

Total cost of supplying water per million gallons pumped, figured on "total maintenance"—$88.76.

STATISTICS RELATING TO DISTRIBUTION SYSTEM

For the year extending from April 1, 1911, to March 31, 1912.

MAINS

Kind of pipe—cast iron.

Sizes—from two-inch to forty-inch.

Extended during year—5,813 feet.

Extended in connection with the subway construction—2,033½ feet.

Renewed during the year—2,424 feet.

Renewed in connection with the subway construction—3,995½ feet.

Total now in use—133.02 miles.

Number of leaks per mile for the year ending March 31, 1912—19.

Length of pipes two and three inches in diameter—2.05 miles.

Number of hydrants added during year (public)—17.

Number of hydrants (public) now in use—1,102.

Number of stop gates added during year—29.

Number of stop gates smaller than four-inch—none.

Range of pressure on mains—55 to 60 pounds.

SERVICES

Kind of pipe—galvanized wrought iron, cast iron, tin-lined, lead and lead-lined.

Sizes—three-fourths-inch to eight-inch.

Extended during the year—9,827½ feet.

Number of service taps added during year:

93	of	¾ inch.
73	of	1 inch.
23	of	1¼ inch.
3	of	1½ inch.
14	of	2-inch.
17	of	4-inch.
5	of	6-inch.
1	of	8-inch.
229	Total.	

Number now in use—15,905.

Average length of service for past year—43 feet.

Average cost of service for the year, sizes from ¾-inch to 2-inch—$26.23.

Number of meters added during the year—223.

Number now in use—4,792.

Percentage of services metered—30.

Respectfully submitted,

E. C. BROOKS,
Superintendent.

REPORT OF THE BOARD OF HEALTH

January 1, 1912.

To the Honorable, the City Council, of the City of Cambridge, Mass.:

During the present year the Board of Health sustained a severe loss by the death of its Clerk, James B. Soper, who had for nearly twenty years rendered loyal and efficient service to the City.

The sanitary condition of the city is as good as can be expected in view of the limited number of inspectors which we have. When the population of Cambridge was but eighty thousand we had three sanitary inspectors, while at the present time we have only two. The schedule of work done, which appears at the end of this report, shows that the inspectors have been diligent, and that much has been accomplished by the inspection of conditions in houses and surroundings. The need of more inspection is gradually increasing, and we trust that in the near future more inspectors may be employed.

Despite the fact that we have been hampered in our efforts by some who should have assisted, we expect to secure the approval of the State authorities for the tuberculosis hospital, and thereby obtain for the city the right to subsidy provided for in Chapter 597 of the Acts of 1911. The action of your honorable body in so promptly appropriating the necessary money for building the addition to this hospital will assist very materially in bringing about this result. The addition to the hospital will enable us to take care of fifty more patients, and will furnish better accommodations for all patients.

With regard to the new contagious hospital we have only to report that we have earnestly and confidently advocated that this hospital should be built on Concord Avenue on land which the city now owns.

We respectfully submit for your consideration the following reports of the various branches of this department.

JEREMIAH S. SULLIVAN, *Chairman*,
PATRICK J. FINNIGAN, M.D.,
ELIE H. LA PIERRE,
Board of Health.

EXPENDITURES AND RECEIPTS

EXPENDED FOR SALARIES

January 1 to December 31, 1911

Medical inspector	$1,624 98	
Bacteriologist	1,080 00	
Clerk	1,150 73	
Secretary	937 66	
Social Worker	780 00	
Sanitary Inspectors (2)	1,994 46	
Plumber	997 23	
Driver	936 29	
Inspector of Provisions	1,496 15	
School nurse	897 54	
Assistant school nurse	659 13	
School inspectors	1,999 80	
Temporary clerk	20 00	
		$14,573 97

EXPENDED FOR GENERAL EXPENSES

January 1 to December 31, 1911

Board and care:		
Diphtheria	$15 00	
Scarlet fever	5,923 50	
Tuberculosis	65 72	
Typhoid fever	475 70	
Reimbursement of other cities and towns, and of the Commonwealth	1 075 79	
Burning of animals	94 00	
Car tickets	600 00	
Collection of cultures	89 55	
Directories	10 00	
Disinfecting supplies	353 64	
Express and freight	1 75	
Harness, wagon and ambulance repairs and maintenance	102 25	
Horse board, storage and hire	456 50	
Horse shoeing, etc.	52 75	
Ice	26 85	
Laboratory supplies	173 87	
Printing, postage, stationery and office supplies	566 33	
Public sanitaries	1 90	
Telephone	130 54	
Incidentals	64 15	
		$10,279 79

EXPENDED FOR DIPHTHERIA HOSPITAL

January 1 to December 31, 1911

Salary of:			
Physician	$1,200 00		
Matron	720 00		
Nurses	1,569 14		
Houseman	755 00		
Cook	330 00		
Laundress	347 14		
House servant	260 00		
		$5,181 28	
Express and freight		1 06	
Fuel		155 30	
Gardening and garden supplies		12 50	
Gas		103 19	
Groceries and provisions		1,510 53	
Household supplies and furnishings		270 50	
Ice		50 76	
Medical and nursing supplies		318 86	
Milk		307 28	
Repairs		8 50	
Stationery and postage		9 89	
Telephone		69 76	
			$7,999 41

EXPENDED FOR TUBERCULOSIS HOSPITAL

January 1 to December 31, 1911

Salary of:			
Physician	$1,050 01		
Matron	797 85		
Nurses	3,012 12		
Caretaker	636 00		
Cook	437 00		
Assistant cook	341 00		
Dishwasher	332 00		
Laundress	398 00		
Scrub woman	385 00		
		$7,388 98	
Belmont Water Department		335 00	
Electric light		362 38	
Express		2 65	
Fuel		846 11	
Gardening and garden supplies		9 88	
Groceries and provisions		5,280 95	
Household supplies and furnishings		522 38	
Ice		142 35	
Medical and nursing supplies		539 93	
Milk		1,782 93	
Repairs and alterations		277 88	
Stationery and postage		31 02	
Telephone		78 07	
Incidentals		4 40	
			$17,604 91

EXPENDED FOR INSPECTION OF MILK AND VINEGAR

January 1 to December 31, 1911

Salaries:			
Inspector	$1,200 00		
Collection of samples	810 00		
		$2,010 00	
Car tickets		60 00	
Printing, postage and stationery		66 89	
Supplies		138 24	
Incidentals		12 88	
			$2,288 01

EXPENDED FOR MODIFIED MILK

January 1 to December 31, 1911

Salaries:			
Modifier	$182 00		
Nurses	202 20		
Washing and filling bottles	81 50		
Distributing milk	130 00		
		$595 70	
Printing, postage and stationery		26 75	
Supplies		589 95	
			$1,212 4

EXPENDED FOR ADDITION TO TUBERCULOSIS HOSPITAL

January 1 to December 31, 1911

Advertising	$37 00	
Building Contract	2,639 25	
Heating plans	88	
		$2,677 13

RECEIPTS

January 1 to December 31, 1911

Board paid directly by patients:			
Diphtheria	$156 67		
Scarlet fever	193 36		
Tuberculosis	1,026 07		
Typhoid fever	4 00		
		$1,380 10	
Reimbursement from other cities and towns, and from the Commonwealth:			
Diphtheria	$886 38		
Scarlet fever	1,041 94		
Tuberculosis	3,911 53		
Typhoid fever	115 71		
		5,955 56	$7 335 66

KITTIE L. MAGOUN,
Secretary.

Table A

CAUSES OF DEATH	Non-Residents		Under 1		1 to 2		2 to 3		3 to 4		4 to 5		Total Under 5		5 to 10		10 to 15		15 to 20		20 to 30		30 to 40		40 to 50		50 to 60		60 to 70		70 to 80		80 to 90		Over 90		Total		Total Excluding Non-Res.
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
I. General Diseases																																							
1. Typhoid Fever																1					1		1	1	1												3	2	5
2. Exanthematous Typhus																																							
3. Relapsing Fever																																							
4. Malarial Fever																		1																				1	1
5. Smallpox																																							
6. Measles					3	2	3	1			2	1	8	4						1																		1	13
7. Scarlet Fever							1				1	1	2	1		1			2																		2	1	6
8. Whooping Cough			6	8	3	2	2	1	1	2			12	13																									25
9. Diphtheria	1		1	1	5	1	2	3	6	2	2	4	16	11	5	7	2	3																			7	10	44
9a. Croup																																							
10. Influenza			1										1																1			2	1	1			2	3	6
11. Military Fever																																							
12. Asiatic Cholera																																							
13. Cholera Nostras																																							
14. Dysentery																																		1				1	1
15. Plague																																							
16. Yellow Fever																																							
17. Leprosy																																							
18. Erysipelas		1	1										1																1				1			1	2	1	4
19. Other epidemic diseases																																							
20. Septicemia (and purulent infection)		1	1						1				2			1	1				1	1	1		1	1	1	1			1	1		1			6	6	14
21. Glanders and Farcy																																							
22. Anthrax (malignant pustule)																																							
23. Rabies																																							
24. Tetanus			1										1		1				1																		2		3
25. Mycoses																																							
26. Pellagra																																							
27. Beriberi																																							
28. Tuberculosis of the Lungs	29	25	2	1						1			2	2		1	2	5	7	11	15	21	20	18	18	14	6	3	3	2		3					71	78	153
29. Acute Miliary Tuberculosis																																							
30. Tuberculous Meningitis			2	1	3	3	3	1	2	1		1	10	7	3							1															3	1	21
31. Abdominal Tuberculosis						1					1		1	1						1			1					1									1	2	5
32. Pott's Disease																									1			1									1	1	2
33. White Swelling																	1																				1		1
34. Tuberculosis of other organs																					1		1														2		2
35. Disseminated Tuberculosis																																							
35a. Scrofula																																							
36. Rickets			1	1				1					1	2																									3
37. Syphilis			2	1									2	1							1							1									1	1	5
38. Gonococcus Infection																																							
39. Cancer (or Malignant Tumor) of Mouth	2																								1				1		2						4		4
40. Cancer of Stomach and Liver	3	1																					1	1	1	3	3	7	6	7	5	4	1	1			17	23	40
41. Cancer of Intestines and Peritoneum	1	2																				1	1	1		1		1	1		1	1					3	5	8
42. Cancer of Female Genital Organs		6																						1		2		3		4		4						14	14
43. Cancer of Breast		4																								3		2		2		3		1				11	11
44. Cancer of Skin																														1				1				2	2
45. Cancer of Other Organs	5																						1		1	5	1	1	3	2		1		1	1		7	10	17
46. Tumor (non-malignant and excepting those of female genital organs)																			1						1												2		2
47. Acute Articular Rheumatism															1							2	2	1	1	2	2	1									6	6	12
48. Chronic Rheumatism and Gout																																		1				1	1
49. Scurvy																																							
50. Diabetes	1														1						1	2		1		1		3		1	1	2		1			3	11	14
51. Exophthalmic Goitre																							1														1		1
52. Addison's Disease																												1										1	1
53. Leukemia																						1			1												1	1	2
54. Anemia, Chlorosis				1										1				1										1	1	1		2					1	5	7
55. Other general diseases																					1																1		1
56. Alcoholism (acute or chronic)																					1		3		1	1	1										6	1	7
57. Chronic Lead Poisoning																																							
58. Other chronic occupation poisonings																																							
59. Other chronic poisonings																																							
II. Diseases of the Nervous System and Other Organs of Special Sense																																							
60. Encephalitis																																							
61. Meningitis, simple			2	1	1		1						4	1																									5
61a. Meningitis, Epidemic Cerebro Spinal				1		1		1						3											1												1		4
62. Locomotor Ataxia	1																														1						1		1
63. Other Diseases of the Spinal Cord																			1								1	2		4	2						4	6	10
63a. Acute Anterior Polio-Myelitis							2						2						1																		1		3
64. Apoplexy, and Cerebral Hemorrhage	1	4	3	1									3	1									2	3	3	5	7	9	15	18	12	5	7	7	1	1	47	48	99
65. Softening of the Brain																																							
66. Paralysis (undefined)	1	1																					1		1		2	1		1	1	10	1	1		1	6	14	20
67. General Paralysis of the Insane																								1	1			1									1	2	3
68. Other forms of Mental Alienation																												1										1	1
69. Epilepsy	1																						1	1													1	1	2
70. Convulsions (non-puerperal)																																							
71. Convulsions of Children	1		5	4									5	4																									9
72. Chorea																																							
73. Neuralgia and Neuritis																																							
74. Other Diseases of Nervous System				1										1				2						2				1				1						6	7
75. Diseases of the Eye and its Adnexa																																							
76. Diseases of the Ear										1				1																									1
III. Diseases of the Circulatory System																																							
77. Pericarditis																1				1			2														2	2	4
78. Endocarditis, Acute			1			1							1	1	1	1		1	1		1		3		1			3			1						8	5	15
79. Organic Diseases of Heart	4	2	1				1						2		3	2	1	1		5	1	4	11	5	10	5	18	8	24	18	18	20	3	13	1	2	90	83	175
80. Angina Pectoris		1																									2	1	2	1	1	1	1	1			6	4	10
81. Diseases of Arteries	2	1																									1		5	7	4	7	5	6	1	2	16	22	38
82. Embolism and Thrombosis		1														1						1		1	1		1	1	5	3	1	1	1	2			9	10	19
83. Diseases of Veins																										1												1	1
84. Diseases of Lymphatic System																																							
85. Hemorrhages (except of lungs). Other Diseases of Circulatory System																																	1				1		1
IV. Diseases of the Respiratory System (Except Tuberculosis)																																							
86. Diseases of Nasal Fossae																																							
87. Disease of the Larynx			1										1										1				1										2		3
88. Diseases of the Thyroid Body																																							
89. Acute Bronchitis	1		8	4		1		1		1			8	7												1		3		2	1	2		2			1	10	26
90. Chronic Bronchitis																													2	1	1	3	1	4			4	8	12
91. Broncho-Pneumonia			13	13	6	4		3				1	19	21					1					1			3		1	1	2	3					7	5	52
92. Pneumonia	2		18	6	3	8	3	1		1		2	24	18				3		1	2		13	4	3	10	17	10	7	9	2	7	3	7			47	51	140
93. Pleurisy																							1		1		1				1		1				5		5
94. Congestion of Lungs and Pulm. Apoplexy																										1			1					1			1	2	3
95. Gangrene of Lungs																					1										1						2		2
96. Asthma																												1										1	1
97. Emphysema																																							
98. Hemorrhage and other diseases of resp. system (except Phthisis)			2			1							2	1																									3
V. Diseases of the Digestive System																																							
99. Diseases of the Mouth and Adnexa																																							
100. Tonsilitis and dis. of the Pharynx				1			1		1				2	1												1	2	2	1	3	1	5	1	3			5	14	22
101. Diseases of the Esophagus					1								1																										1
102. Ulcer of Stomach	1	1																					1		3												4		4
103. Gastritis and other dis. of Stomach			6	2									6	2								1			1	2		1	1		2			2			4	6	18
104. Diarrhea and Enteritis (under 2 years)			59	33	7	4							66	37																									103
105. Diarrhea and Enteritis (2 years and over)		1					1	1					1	1			1						2		1	1		1	1	2	1	3					6	7	15
106. Ankylostomiasis																																							
107. Intestinal Parasites																																							
108. Appendicitis and Typhlitis	1	1							1				1							2				1	1	1											1	4	6
109. Hernia and Obstruction of Intestines		2	3	1			1		1				5	1						1		1			1	1		2		2	2	3					3	10	19
110. Other Diseases of Intestines																																							
111. Acute Yellow Atrophy of Liver																																							
112. Hydatid Tumors of Liver																																							
113. Cirrhosis of Liver	1																										1										1		1
114. Biliary Calculi	1																										1										1		1
115. Other Diseases of Liver	3	1																											1	1							1	1	2
116. Diseases of Spleen																																							
117. Peritonitis (non-puerperal)		1				1								1						1				1														2	3
118. Other Diseases of Digestive System		1																																					
VI. Diseases of the Genito-Urinary System (Non-Venereal)																																							
119. Acute Nephritis				1			1						1	1							2	1	2			1	2				1	1				1	7	4	13
120. Brights Disease	4	3														2	1				1	1	3	5	3	7	6	8	7	9	10	5	3	5		1	34	43	77
121. Chyluria																																							
122. Other dis. of Kidneys and Adnexa			1										1																		1						1		2
123. Calculi of Urinary Tract																																	1				1		1
124. Diseases of Bladder																															2						2		2
125. Diseases of Urethra, Urinary Abscess, etc.																																							
126. Diseases of Prostate	3																														2						2		2
127. Non-venereal dis. (male) genital organs																																							
128. Uterine Hemorrhage (non-puerperal)																																							
129. Uterine Tumor (non-cancerous)																								1		3												4	4
130. Other Diseases of Uterus																						1																1	1
131. Ovarian Tumors		1																																					
132. Salpingitis and other Diseases of Female Genital Organs		1																						1														1	1
133. Non-puerperal Disease of Breast (except Cancer)																																							
VII. Puerperal State																																							
134. Accidents of Pregnancy		1																				1		2														3	3
135. Puerperal Hemorrhage																						3				1												4	4
136. Other Accidents of Labor																																							
137. Puerperal Septicemia		1																				7																7	7
138. Puerperal Convulsions																						4		4														8	8
139. Puerperal Phlegmasia Alba Dolens, embolus, etc.																																							
140. Other Puerperal Accidents, (undefined)																																							
141. Puerperal Diseases of Breast																																							
VIII. Diseases of Skin																																							
142. Gangrene																											1					1					1	1	2
143. Furuncle (Carbuncle)			1										1																										1
144. Abscess, Phlegmon			1										1																1								1		2
145. Other Diseases of Skin																																							
IX. Diseases of Bone and Organs of Locomotion																																							
146. Diseases of Bones (non-tuberculosis)																																							
147. Diseases of Joints (except Rheumatism and Tuberculosis)		1																																					
148. Amputation																																							
149. Other Diseases of Organs of Locomotion																																							
X. Malformations																																							
150. Congenital Malformations			7	7									7	7	1																						1		15
XI. Early Infancy																																							
151. Premature Birth, Marasmus, etc.	2		45	32									45	32																									77
XII. Old Age																																							
154. Old Age, Senile Debility																														1		2	1	3	2	1	3	7	10
XIII. Violence																																							
155. Suicide by Poison	1																																						
156. Suicide by Asphyxia																						1					1										1	1	2
157. Suicide by Hanging or Strangulation																							1														1		1
158. Suicide by Drowning																													1								1		1
159. Suicide by Fire Arms	2																										1				1						2		2
160. Suicide by Cutting Instruments																																							
161. Suicide by Jumping from High Places																																							
162. Suicide by Crushing																																							
163. Other Suicides																																							
164. Poisoning by Food																																							
165. Other Acute Poisonings				1					1				1	1	1										1												2		4
166. Conflagration	3																												1								1		1
167. Burns and Scalds (Confl'n excepted)			1		1		1	1		1	1	2	4	4		2	1						1			2	1	1				1					3	6	17
168. Absorption of Deleterious Gases (Confl'n excepted)																																							
169. Accidental Drowning	3	1													2				1	1			3		2		1										9	1	10
170. Traumatism by Firearms	2														1																						1		1
171. Traumatism by Cutting Instruments																																							
172. Traumatism by Fall	3																				2				1		2	1	1	1	2			1			8	3	11
173. Traumatism in Mines and Quarries																																							
174. Traumatism by Machines															1						1																2		2
175. Traumatism by Other Crushing, (Vehicles, Landslides, Etc.)	3						1	1	1		1		3	1	5		2		1		3	1	2		2				1								16	1	21
176. Injuries by Animals																																							
177. Starvation																																							
178. Excessive Cold																																							
179. Effects of Heat				1										1							1		3	2	2		5	2	2	2	1	3	2	2	1		17	11	29
180. Lightning																																							
181. Electricity (except Lightning)																																							
182. Homicide by Firearms																									1												1		1
183. Homicide by Cutting Instruments																								1														1	1
184. Homicide by Other Means																																							
185. Fractures, cause not specified															1								1		3		4		1	3	1	2	1	1			12	6	18
186. Other External Violence																	1																				1		1
XIV. Ill-Defined Diseases																																							
187. Ill-defined Organic Disease																																							
188. Sudden Death																																							
189. Non-specified or Ill-defined Causes of Death																																							
	89	67	212	128	33	30	24	16	15	10	8	12	292	196	27	20	13	17	17	25	37	56	87	60	72	76	96	87	98	109	86	109	36	70	7	10	576	639	1,703
Still-born		2	49	38																																			89
Non-residents																																							156
																																							1,948

Males
Females

VITAL STATISTICS

DEATH-RATE PER 1,000 LIVING FROM ALL CAUSES.

POPULATION, 106,644

1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
15.51	15.77	15.02	15.56	15.77	15.28	15.71	14.97	15.43	15.97

Male death rate for 1911, 16.79.

Female death rate for 1911, 15.20.

The mean annual death rate for the ten years, 1902 to 1911, inclusive, is 15.499.

The figures given for the population of Cambridge are estimated by the method adopted by the Bureau of the Census, and given as Method V on page 9 of Bulletin No. 108, by using the figures of the Massachusetts census of 1905 and the United States Census of 1910.

In calculating death rates, the deaths of non-residents occurring in the city are excluded, and the deaths of residents, wherever they occurred, are included.

The death rate for the year just passed is usually a little below the correct rate, as the returns of the deaths of some residents which occurred at a distance from home may not be received till after the report has been made up. This error is corrected in the next annual report.

Table A gives the causes of death by ages in accordance with the International Classification of Causes of Death.

Table B gives the number of cases reported, the morbidity per 1,000 living, the death rate per 1,000 living, and the death rate per 100 cases reported of diphtheria, scarlet fever, measles and typhoid fever for the years 1902 to 1911 inclusive.

Table C gives the death rates per 1,000 living for cancer, diarrheal diseases, whooping cough, bronchitis, pneumonia and tuberculosis for the years 1902 to 1911 inclusive.

The death rate for this year is higher than that of any previous year since 1901. In a measure at least this rise can be laid to the extreme heat of the summer. It is some years since we have had any considerable number of deaths from excessive heat, generally none, as last year, In 1911, however, we have had twenty-nine from this cause alone. These twenty-nine deaths make a difference of .17 in the annual death rate.

BRADFORD H. PEIRCE, M.D.

Medical Inspector.

DISEASES DANGEROUS TO THE PUBLIC HEALTH

This year we have recorded 1905 cases of reportable disease as against 1,444 for 1910, an increase of 461. This does not mean that all contagious diseases have been more common. The excess is made up of increases in the number of cases of measles, whooping-cough and chicken-pox, all of which appear to be on an upward wave.

Table B gives the number of cases reported and the death rates for diphtheria, scarlet fever and measles, corrected according to the figures given by the latest census.

Table D gives the cases of disease as reported each week.

Table E gives the cases as reported by wards each month.

Table F gives the cases according to age and sex distribution

DIPHTHERIA

Three hundred ninety-seven cases were reported this year, 87 more than last year. They were distributed fairly evenly throughout the year and at no time did we have an outbreak. Of the 397 cases, 162 or 40.8 per cent were taken to the hospital, where the average daily number of patients was 8.4.

SCARLET FEVER

A further reduction in the number of cases of this disease occurred this year. We had but 213 cases, 136 less than in 1910, when we had 349, 152 less than in 1909, and 308 less than in 1908.

Fifty-eight or 27.2 per cent of the cases this year were sent to the hospital.

Most of the cases developed previous to June. The last two weeks in April we had an outbreak of a mild type, numbering twenty cases. No means of infection for all these cases could be found except the milk supply and all had obtained their milk from one local dealer. As soon as the possibility of this milk supply being the cause appeared, the milk was pasteurized. Careful investigation failed to disclose any sign of scarlet fever in the dealer or any of his employees, or in any persons connected with any of his dairies at any time within a month. Samples were taken from each dairy and on examination showed that the milk from two farms contained streptococcus. These two dairies were immediately cut out and milk from others substituted after careful examination of the supply.

Samples taken from every cow in the bad dairies showed that one cow in each was yielding streptococcus. One of the cows had an acute inflammation of the udder. The other turned out to be in all probability the same cow that had caused a similar outbreak about three years previously. She had been sold from time to time and had gotten to the hands of the man who then owned her without his knowing of her previous history.

After pasteurizing the milk for a little over two weeks, with constant inspection, it was considered safe to allow the milk to be distributed raw. No new cases developed after the first week of pasteurization.

MEASLES

Up to July 1 there were from 10 to 41 cases of measles reported every week, with a total of 605 for the year, or 318 more than last year. After July 1 very few cases were reported, on an average 3 a week.

That all existing cases are not reported, especially when the disease is raging, is evident from the number of applications for permits to return to school, in cases of which we have had no knowledge up to that time.

TYPHOID FEVER

Not since 1880, that is, for thirty-two years, have we had so few cases of typhoid fever as in 1911. This year there were 56 cases, of which 11, or 19.8 per cent, went to the hospital. There were 14 less cases than last year. The morbidity rate was 0.53 per 1,000 living, the lowest in the history of our board of health.

TUBERCULOSIS

A still further reduction in the number of cases of tuberculosis reported occurred this year. There were 243 cases of pulmonary tuberculosis and 36 cases of other forms of the disease, which makes a total of 279. The total includes 29 cases, of which the first notice was the death certificate. 1911 is the first year in which they have been included in the number reported. Compared with the 297 cases of 1910, this means 47 less.

On March 11, 1903, the Board of Health adopted the regulation, requiring a physician called upon to attend a person having consumption, to notify the Board of Health in regard thereto, under penalty of fine, not to exceed $50.00. The same year, the Board had a circular on consumption prepared, to be sent to each case reported. This circular, with minor changes, is still sent to cases reported to the Board of Health. No cases were reported to the Board, however, and put on record until January 1, 1904, and from that time to the present the Board of Health has made every effort to have all cases of tuberculosis in this city recorded. August 1, 1907, under authority conferred upon it by the Statutes of 1905, the State Board of Health declared tuberculosis to be a disease dangerous to the public health, and therefore notifiable to local Boards of Health, by State law.

The physicians comply with the law well, but many hesitate in making a diagnosis until the presence of tubercle bacilli has been demonstrated in the sputum. They are often handicapped in offering relief to patients because the disease has been allowed to reach an advanced stage before they are summoned.

The primary function of the Board of Health in dealing with disease dangerous to the public health is to restrict the spread of such disease, theoretically by isolation. As a secondary consideration, strictly speaking, it is their object to cure cases existing. I use these words in a theoretical sense, and do not mean at all that the Board of Health is not interested in the recovery of sick individuals.

In tuberculosis, the menace to public health is from cases so far advanced as to spread the germs of the disease, the "seed" cases, as one might say. It was not this policy, however, which the Board adopted in first establishing a hospital for the care of consumptives. In the summer of 1908, the city constructed a building for the treatment of early cases, and for day treatment only. It was soon found, in common with the experience of other places, that the day treatment of tuberculosis was far from satisfactory. In a very short time it was deemed advisable to establish quarters where patients could remain night and day. Consequently, in the fall, two shacks were opened. As time went on, we found the class of cases we were required to look after were advanced cases, or the cases whose isolation might reasonably be considered to be of most value to the community. The dining room in our main building was taken as an infirmary in 1909. It has been used as such ever since, with the number of cases requiring bed treatment constantly increasing, until at present we are building an addition, which will permit us to use the other large dining room as a ward.

It is interesting to consider the statistics obtained from our records. No argument is required to substantiate the statement that it is advisable and highly desirable to have cases of tuberculosis reported as early as possible. From January 1, 1904, to January 1, 1912, we have on our records 2,382 cases of tuberculosis. Of these 583, or 24.5 per cent, came to our knowledge by means of the death certificates only. Of the remaining number, 805, or 33.8 per cent, were reported before they died, but had died previous to January 1, 1912. This makes a total of 1,388 cases, dead before the first of January, or 58.3 per cent. There are remaining, out of 2,382 cases, 994, or 41.7 per cent, which we must regard as living, although no doubt many of them have moved away and died elsewhere. Of the 805 cases reported to us, who had died previous to January 1, 1912,

504 or 62.61% died within 6 months of the time reported.
641 or 79.63% died within 1 year of the time reported.
741 or 92.05% died within 2 years of the time reported.
784 or 97.39% died within 3 years of the time reported.
794 or 98.63% died within 4 years of the time reported.

To reverse these figures, we find that we had official knowledge of

11 or 1.37% for over 4 years.
10 or 1.24% for from 3 to 4 years.
43 or 5.34% for from 2 to 3 years.
100 or 12.42% for from 1 to 2 years.
137 or 17.02% for from 6 months to 1 year.
504 or 62.61% for less than 6 months.

The average length of time from date of report to date of death for the 805 persons was 8.18 months.

Since our hospital opened in the summer of 1908, it was possible for us to offer treatment to only 1,449, or 60.83% of the total number of cases. Five hundred eighty-three had died before we knew about them, and of those reported previous to death, 350 had died before the hospital was opened. Counting no one twice, we have admitted, up to January 1, 505 cases, or 34.85%, more than one-third of the possible number who could have received treatment in our hospital. In addition to these there are many for whom we have provided in institutions other than our own, and not included in these figures. Of the number we have treated in the hospital, 180 or 35.6% have left, or been discharged improved, or with the disease arrested. This sounds very encouraging, but as a matter of fact it has not the significance it would seem, for many of these patients return to work which is harmful, or habits which are vicious, and go rapidly down hill.

It is also interesting to note that the death rate in tuberculosis has been constantly falling for the last sixty years in Cambridge, as well as in Massachusetts, and other parts of the United States. For the five year period, 1851–1855, the death rate for tuberculosis in Cambridge was 4.42 per thousand, since which it has steadily declined to 1.53 per thousand for the five year period, 1906–1910.

OTHER INFECTIOUS DISEASES

During 1911 there have been reported 115 cases of chicken-pox, 203 cases of whooping cough, 10 cases of anterior poliomyelitis, 6 cases of epidemic cerebro-spinal meningitis, 19 cases of ophthalmia neonatorum and 2 cases of tetanus.

In the month of May we had a large number of severe cases of tonsillitis, accompanied by serious complications and of high rate of mortality. Inasmuch as this disease is not reportable, it is impossible to state the exact number of persons attacked, but inquiry among physicians showed over 900 cases, and there were probably many more. The vast majority of cases developed in those who used the milk from one large dealer. There were so many peculiar instances in which the evidence pointed directly to this milk that there is little doubt that it caused the spread of the infection, although there is no bacteriological proof.

Most of the persons infected were of middle or advanced life, with a preponderance of females.

Few seem to have escaped without enlargement of the cervical lymph glands of marked persistency. Some suffered from abscess formation. The other more common complications were pneumonia, pleurisy, peritonitis, and general septicaemia.

There were 22 deaths in which the cause was given as tonsillitis or septic sore throat. In addition there were 11 deaths that occurred from the time of the infection to several months later, in which the cause was given as pneumonia, peritonitis, septicaemia, etc., and which further inquiry showed to be due to complications immediately following this disease of the throat.

BRADFORD H. PEIRCE, M.D.,

Medical Inspector.

Table B

		1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
Diphtheria	Number of cases reported	460	322	330	350	517	323	422	278	310	397
	Morbidity per 1,000 living	4.88	3.38	3.42	3.59	5.23	3.22	4.15	2.69	2.96	3.72
	Death rate per 1,000 living	0.36	0.30	0.26	0.27	0.26	0.19	0.34	0.20	0.24	0.41
	Case death rate, percentage	7.60	8.69	7.57	7.71	5.02	5.88	8.29	7.55	8.06	11.08
Scarlet Fever	Number of cases reported	199	188	135	150	166	414	495	365	349	213
	Morbidity per 1,000 living	2.11	1.97	1.40	1.53	1.68	4.13	4.86	3.53	3.33	2.00
	Death rate per 1,000 living	0.09	0.10	0.03	0.04	0.06	0.10	0.11	0.14	0.05	0.06
	Case death rate percentage	4.52	5.31	2.22	2.66	3.62	2.41	2.22	3.84	1.43	2.82
Measles	Number of cases reported	407	80	481	112	631	60	1,197	542	287	605
	Morbidity per 1,000 living	4.32	0.84	4.99	1.14	6.38	0.60	11.76	5.25	2.74	5.67
	Death rate per 1,000 living	0.04	0.04	0.08	0.05	0.05	0.08	0.10	0.03	0.04	0.12
	Case death rate, percentage	0.98	5.00	1.66	4.46	0.79	13.33	0.83	0.55	1.39	2.15
Typhoid Fever	Number of cases reported	128	123	136	111	128	90	87	75	70	56
	Morbidity per 1,000 living	1.36	1.29	1.41	1.13	1.29	0.90	0.85	0.73	0.67	0.53
	Death rate per 1,000 living	0.18	0.13	0.22	0.19	0.19	0.10	0.11	0.10	0.12	0.05
	Case death rate, percentage	13.28	11.38	16.91	17.11	14.84	11.11	12.64	13.33	18.57	8.93

Table C

		1902	1903	1904	1905	1906	1907	1908	1909	1910	1911
Death Rates per 1,000 living	Cancer	0.83	0.75	0.87	0.77	0.83	0.77	0.81	0.66	0.86	0.90
	Diarrhoeal Diseases	1.04	1.17	1.20	1.08	1.03	0.94	1.32	1.12	1.19	1.11
	Whooping Cough	0.09	0.15	0.03	0.14	0.46	0.10	0.28	0.066	0.048	0.23
	Bronchitis	0.41	0.43	0.36	0.27	0.41	0.47	0.30	0.40	0.29	0.36
	Pneumonia	1.74	1.92	1.51	1.86	1.67	1.39	1.69	1.96	2.17	1.80
	Pulmonary Tuberculosis	1.90	1.76	1.96	1.75	1.58	1.68	1.36	1.46	1.58	1.43

Table D

Week Ending	Diphtheria	Scarlet Fever	Measles	Typhoid Fever	Pulmonary Tuberculosis	Other Forms	Chicken Pox	Whooping Cough	Anterior Polio-myelitis	Epidemic Cerebro Spinal Meningitis	Ophthalmia Neonatorum	Tetanus	
Jan. 7.....	9	5	24	1	5	1	3	......	....	....	....	....	48
14.....	8	9	14	1	6	......	4	......	....	....	....	....	42
21.....	4	4	30	1	7	1	......	......	....	....	1	....	48
28.....	9	11	24	......	7	......	6	2	....	....	....	....	59
Feb. 4.....	12	4	19	1	10	2	......	3	....	....	....	....	51
11.....	6	13	17	......	3	......	3	......	....	1	3	....	46
18.....	3	8	24	......	4	......	5	5	....	....	....	....	49
25.....	5	5	19	......	7	......	1	......	....	....	1	....	38
Mar. 4.....	7	2	26	......	2	......	1	1	....	....	....	....	39
11.....	4	2	10	4	8	2	6	......	....	....	....	....	36
18.....	9	14	16	1	5	2	2	2	....	1	....	....	52
25.....	6	7	28	......	7	1	......	13	....	....	....	....	62
April 1.....	7	8	15	......	3	1	3	5	1	....	....	....	43
8.....	4	2	25	1	3	2	......	6	....	1	....	....	44
15.....	3	2	41	......	5	......	......	3	....	....	....	....	54
22.....	8	5	26	......	4	......	......	7	1	1	....	....	52
29.....	7	17	25	......	5	1	1	11	....	....	....	....	67
May 6.....	9	3	28	......	1	2	1	4	....	....	....	....	48
13.....	1	3	28	......	3	1	1	12	....	....	1	....	50
20.....	3	5	17	1	1	......	1	8	....	....	....	....	36
27.....	6	4	27	1	10	......	2	9	....	....	....	....	59
June 3.....	10	7	20	1	2	......	2	3	....	....	....	....	45
10.....	10	4	11	......	12	1	1	5	1	....	1	....	46
17.....	12	4	16	1	5	......	......	1	....	....	....	1	40
24.....	18	2	13	......	4	2	3	5	....	....	1	....	48
July 1.....	16	2	14	1	5	1	3	9	....	....	1	....	52
8.....	5	2	5	......	4	1	......	10	....	....	1	....	28
15.....	5	3	3	......	5	1	......	......	....	....	1	....	18
22.....	3	1	8	......	2	1	4	4	....	....	....	....	23
29.....	8	......	2	2	2	2	......	2	....	....	....	....	18
Aug. 5.....	7	1	1	2	4	1	......	2	....	....	....	....	18
12.....	5	......	1	......	5	......	......	1	....	....	....	....	12
19.....	4	3	2	......	9	1	......	12	....	....	2	....	33
26.....	9	2	1	4	2	......	......	8	....	....	....	....	26
Sept. 2.....	13	1	3	......	5	......	......	4	....	....	....	....	26
9.....	7	......	......	2	9	......	1	3	1	....	....	....	23
16.....	6	......	2	5	2	2	......	1	....	....	....	....	18
23.....	11	......	......	3	4	......	1	1	2	....	....	....	22
30.....	9	4	1	6	4	......	......	7	....	....	....	....	31
Oct. 7.....	6	6	4	3	2	......	......	......	2	1	....	....	24
14.....	4	4	......	1	3	......	......	3	....	....	1	....	16
21.....	10	2	1	2	4	......	......	......	1	....	....	....	20
28.....	11	2	......	2	5	1	4	2	1	....	1	....	29
Nov. 4.....	9	3	1	1	6	1	4	1	....	....	....	....	26
11.....	7	2	1	1	7	1	1	......	....	....	....	1	21
18.....	6	1	2	......	3	......	4	6	....	....	....	....	22
25.....	11	2	......	2	3	......	4	1	....	....	....	....	23
Dec. 2.....	6	7	1	1	4	1	7	5	....	....	....	....	32
9.....	12	3	......	2	2	3	17	5	....	....	2	....	46
16.....	7	2	2	......	4	......	6	......	....	....	1	....	22
23.....	7	6	1	1	5	......	8	2	....	1	....	....	31
30.....	13	4	6	1	4	......	5	9	....	....	1	....	43
31*....	......	......	......	......	......	......	......	......	....	....	....	....	......
	397	213	605	56	243	36	115	203	10	6	19	2	1,905

* No cases reported—Sunday.

Table E

	Ward	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
DIPHTHERIA	1	3	....	2	1	4	10	3	3	7	8	8	5	54
	2	2	10	6	4	3	16	2	3	5	3	1	1	58
	3	8	4	5	5	4	8	4	1	6	2	2	9	58
	4	9	2	4	1	....	6	4	3	3	2	5	2	39
	5	3	1	....	3	2	4	....	....	....	2	4	4	22
	6	3	1	4	1	1	2	....	3	4	2	3	2	26
	7	2	2	1	4	2	5	3	9	5	6	....	3	42
	8	1	....	....	....	3	4	4	....	4	3	1	2	22
	9	1	....	4	1	1	3	1	....	2	2	4	3	22
	10	....	....	4	1	1	....	....	2	1	2	1	6	18
	11	2	4	1	1	1	4	3	7	1	3	3	5	36
		34	24	31	22	22	62	24	31	38	35	32	42	397
SCARLET FEVER	1	....	....	2	....	....	1	....	....	....	....	1	....	4
	2	2	1	....	....	....	....	1	....	1	1	....	....	6
	3	....	3	1	1	....	....	....	....	....	1	....	....	6
	4	2	1	4	....	2	....	2	1	....	3	1	....	16
	5	1	2	3	4	2	....	....	....	....	....	1	2	15
	6	3	2	3	2	3	2	....	....	1	3	3	2	24
	7	5	3	1	5	2	4	4	3	....	....	1	4	32
	8	4	2	2	1	3	....	....	....	2	3	....	2	19
	9	2	3	6	10	3	6	1	1	....	1	1	4	38
	10	....	6	3	2	1	1	....	....	....	....	1	2	16
	11	12	6	7	1	3	....	....	....	1	2	2	3	37
		31	29	32	26	19	14	8	5	5	14	11	19	213
MEASLES	1	11	....	2	1	8	....	1	2	1	2	....	1	28
	2	2	....	1	4	4	....	....	2	....	....	1	2	16
	3	16	17	11	13	16	2	....	3	1	....	1	4	84
	4	28	13	21	30	8	18	2	1	....	1	1	....	123
	5	7	8	12	19	14	9	1	....	....	....	....	....	70
	6	29	33	17	24	17	10	8	....	1	....	1	2	142
	7	1	7	17	11	8	7	3	....	....	....	....	....	54
	8	2	1	2	4	5	4	1	....	....	....	....	....	19
	9	....	1	1	4	10	1	3	....	....	....	1	....	21
	10	3	....	1	....	6	5	1	....	....	1	....	....	17
	11	....	....	3	7	13	7	....	....	....	1	....	....	31
		99	80	87	117	110	63	20	8	3	5	5	9	605
TYPHOID FEVER	1	....	....	4	1	....	....	1	....	1	2	....	....	9
	2	....	....	....	....	....	....	....	....	2	....	....	1	3
	3	....	....	....	....	1	....	....	1	6	2	1	....	11
	4	2	....	....	....	....	....	....	1	....	....	....	....	3
	5	....	....	....	....	1	....	....	....	....	1	....	1	3
	6	....	1	....	....	....	1	....	2	....	1	....	1	6
	7	....	....	....	....	....	....	....	2	2	....	....	2	6
	8	....	....	....	....	....	1	1	....	1	....	....	....	3
	9	....	....	....	....	....	1	....	....	....	....	....	....	1
	10	....	....	1	....	....	....	....	....	3	....	1	....	5
	11	1	....	....	....	....	....	....	....	1	2	2	....	6
		3	1	5	1	2	3	2	6	16	8	4	5	56
TUBERCULOSIS	1	5	....	1	....	1	2	3	3	....	1	....	....	16
	2	3	3	2	....	3	6	3	....	3	1	3	2	29
	3	3	1	5	7	5	4	2	2	4	2	4	2	41
	4	4	4	3	2	2	7	2	4	3	2	3	1	37
	5	3	1	2	2	....	2	1	1	2	....	1	2	17
	6	5	4	3	1	3	2	2	4	1	4	3	2	34
	7	5	1	3	....	1	2	5	3	2	3	....	4	29
	8	1	....	4	3	....	2	2	4	3	....	2	....	21
	9	2	1	3	1	3	....	....	1	....	3	1	1	16
	10	....	1	1	1	....	1	1	....	....	....	2	1	8
	11	3	4	2	4	....	3	2	1	3	2	3	4	31
		34	20	29	21	18	31	23	23	21	18	22	19	279
WHOOPING COUGH	1	....	....	....	3	4	....	6	4	....	1	....	....	18
	2	....	....	....	2	....	....	2	10	5	1	1	5	26
	3	....	....	....	1	1	4	8	5	1	1	4	4	29
	4	2	....	2	4	4	1	....	1	3	1	....	4	22
	5	....	....	1	....	....	1	....	2	2	1	....	2	9
	6	1	4	6	4	7	4	2	2	....	....	1	....	31
	7	....	....	1	8	3	4	1	3	1	....	1	....	22
	8	....	....	5	2	2	....	....	....	....	1	....	5	15
	9	....	....	3	....	8	1	....	....	....	....	....	1	13
	10	....	2	....	....	....	1	....	....	....	....	....	....	3
	11	2	....	2	3	5	3	....	....	....	....	....	....	15
		5	6	20	27	34	19	19	27	12	6	7	21	203
HICKEN POX	1	....	2	....	....	1	1	1	....	....	1	....	1	7
	2	....	1	1	....	....	3	....	....	....	....	....	1	6
	3	....	....	1	....	....	....	3	....	....	....	....	1	5
	4	1	1	5	....	1	....	....	....	....	1	1	8	18
	5	1	2	1	1	....	....	....	....	....	3	7	17	32
	6	....	....	....	1	....	....	....	....	1	....	1	1	4
	7	2	1	1	....	....	1	....	....	....	1	....	1	7
	8	....	2	....	....	1	1	2	....	1	1	4	6	18
	9	4	....	....	....	....	....	....	....	....	....	....	2	6
	10	1	....	....	....	....	....	....	....	....	....	....	1	2

Table F

		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	Over 80	Age unknown	Total
DIPHTHERIA	M.	2	7	12	21	24	71	24	6	5	....	1	1	....	....	....	....	174
	F.	3	4	13	20	25	82	42	16	11	5	2	....	....	....	....	....	223
	P.	5	11	25	41	49	153	66	22	16	5	3	1	....	....	....	....	397
SCARLET FEVER	M.	1	3	4	9	12	31	19	12	7	2	....	....	....	....	....	....	100
	F.	1	1	4	6	9	52	20	8	12	....	....	....	....	....	....	....	113
	P.	2	4	8	15	21	83	39	20	19	2	....	....	....	....	....	....	213
MEASLES	M.	11	18	32	31	35	131	15	12	10	4	....	....	....	....	....	....	299
	F.	10	22	19	23	37	144	20	7	15	8	1	....	....	....	....	....	306
	P.	21	40	51	54	72	275	35	19	25	12	1	....	....	....	....	....	605
CHICKEN POX	M.	3	3	2	1	3	38	6	2	5	....	....	....	....	....	....	5	68
	F.	3	2	3	5	....	29	4	....	....	....	....	....	....	....	....	1	47
	P.	6	5	5	6	3	67	10	2	5	....	....	....	....	....	....	6	115
WHOOPING COUGH	M.	11	11	16	14	11	30	1	2	2	....	1	....	....	....	....	1	100
	F.	19	10	12	8	11	38	4	....	....	1	....	....	....	....	....	....	103
	P.	30	21	28	22	22	68	5	2	2	1	1	....	....	....	....	1	203
TYPHOID FEVER	M.	....	....	1	....	....	1	1	5	8	8	4	1	....	....	....	1	30
	F.	....	....	....	....	1	4	1	4	9	3	4	....	....	....	....	....	26
	P.	....	....	1	....	1	5	2	9	17	11	8	1	....	....	....	1	56
PULM. TUBERCULOSIS	M.	2	....	....	....	1	2	3	13	39	32	24	11	4	....	....	3	134
	F.	....	....	....	....	....	2	5	10	38	23	19	2	2	2	....	6	109
	P.	2	....	....	....	1	4	8	23	77	55	43	13	6	2	....	9	243
ANTERIOR POLIOMYELITIS	M.	....	1	....	2	....	1	....	1	....	....	....	....	....	....	....	....	5
	F.	....	2	....	....	1	1	1	....	....	....	....	....	....	....	....	....	5
	P.	....	3	....	2	1	2	1	1	....	....	....	....	....	....	....	....	10

BACTERIOLOGICAL LABORATORY

The tables submitted below show in detail the number and sort of examinations made during the year 1911. In addition to the figures given there were a few examinations of blood for malaria, pus for various organisms, one paratyphoid test, and one smear from a case of ophthalmia neonatorum.

There were 397 cases of diphtheria reported, 87 more than last year, and of this number 320, or 81%, were confirmed by positive cultures in this laboratory. The percentage last year was 78. In May there was an epidemic here and in Boston of "septic sore throat," and this month, as would be expected, shows the greatest number of cultures for diagnosis proving negative. But the increase over similar cultures for other months is surprisingly small when one considers that there were probably at least two or three hundred cases of this sort. It shows that most of the throats did not suggest diphtheria clinically. The cultures from these cases on most careful examination failed to show any prevailing organism which might be the cause of the trouble, and did not show any forms of bacteria different from those found in normal throats. It would seem from this that the infecting organism was an unknown form, probably too small to be seen by microscope. The clinical course of the cases also bears out this theory. Investigation showed that the epidemic was milk-borne, and hereafter we have asked physicians to give the milk supply on cards sent in with cultures from sore throats. There has been great improvement in service at culture stations since one man has been doing the work. The few mistakes have been due to carelessness of clerks at the stations. The new form of boxes adopted a year ago is now generally understood and used, and undoubtedly helps.

There were 56 cases of typhoid fever reported, 14 less than last year, and of these 27, or 48%, were confirmed by positive widal tests in this laboratory. This is the highest percentage of confirmation we have obtained, and is due to blood specimens being sent in later in the disease than heretofore.

The examinations of sputum for tubercle bacilli were two more than last year.

DIPHTHERIA

	POSITIVE		NEGATIVE		No Growth	Grand Total
	Diagnosis	Release	Diagnosis	Release		
January	26	22	72	73	4	197
February	16	19	53	50	2	140
March	20	19	75	55	2	171
April	19	16	57	44	1	137
May	14	27	84	44	1	170
June	47	23	43	72	2	187
July	18	25	29	95	0	167
August	26	13	13	41	0	93
September	29	37	47	81	1	195
October	34	51	50	91	1	227
November	32	26	64	81	1	204
December	39	9	83	76	3	210
Total	320	287	670	803	18	2,098

	TUBERCULOSIS			TYPHOID			Grand Total
	Positive	Negative	Total	Positive	Negative	Total	
January	21	59	80	2	2	4	84
February	15	52	67	1	4	5	72
March	21	52	73	5	3	8	81
April	12	53	65	0	7	7	72
May	16	41	57	0	16	16	73
June	18	29	47	1	6	7	54
July	19	34	53	0	11	11	64
August	22	20	42	4	7	11	53
September	16	24	40	4	16	20	60
October	12	22	34	8	17	25	59
November	13	34	47	2	13	15	62
December	23	40	63	0	10	10	73
Total	208	460	668	27	112	139	807

Total examinations for the year, 2,905

ALLAN F. BARNES, M.D.

Bacteriologis to the Board of Health.

INSPECTION OF MILK

I have the honor to present the report of the Department of Milk inspection, for the twelve months ending December 31, 1911:

The total number of samples collected and examined was 4,682, as follows:

Number of samples of milk from wagons and stores	3,764
Number of samples brought in by citizens and milkmen	180
Number of samples of milk (bacteriological)	738
	4,682

From a chemical standpoint the milk, as a whole, was of good quality; the yearly average of all the samples analyzed stood 3.69+ butter fat, and 12.52+ total solids. The best milk was delivered in the city in December; and the samples averaged for the month 3.84+ butter fat and 12.72+ total solids. When, however, a shortage of milk occasionally occurred, owing to weather conditions, the quality of the milk deteriorated. In July, for example, the monthly average fell to 3.47+ butter fat and 12.18+ total solids. During the exceedingly hot, dry summer, the pasturage was burned, and the cows tormented by flies, and forced to seek the shade of the trees to escape the sun's rays, ate practically nothing; consequently, the night's milk was frequently much poorer in quality than the morning's. During these periods of scarcity, milk had to be brought from a considerable distance. Such milk was inferior in freshness and of poorer quality, both chemically and bacteriologically.

The number of milkmen engaged in business in the city has been declining steadily for several years. Last year there were only 82. This decrease has affected principally the smaller dealers.

There has been a decrease also in the number of shops selling milk, only 425 stores now holding permits to sell milk. This reduction in number is gratifying, as the majority of storekeepers are eminently unfitted to handle such a perishable food as milk. Against the use of shop milk as a food for infants, the public needs especially to be warned, as the action of old and carelessly-handled milk is liable to be that of a poison.

The regulations of the Board of Health must be observed, before a license is granted a storekeeper; and in case of any subsequent laxity in their observance the Inspector may revoke the license.

During the year many licenses have been revoked because of the failure of the shopkeeper to comply with the regulations. Warnings were sent in three hundred and fifty-four instances of milk below standard, and eight cases were taken to court—one for milk below standard, in which conviction was secured and a fine of twenty dollars paid, and seven for keeping milk below fifty degrees F., in six of which conviction was secured with fines amounting to fifty dollars paid. One case is still pending. So far, therefore, fines aggregating seventy dollars have been imposed as a result of these prosecutions.

Twelve licenses to sell butterine have been issued.

The milk supply of the city has been divided arbitrarily into classes represented by the letters A, B, C and D. As a result of the bacteriological examination of the samples chiefly from wagons, the character of the supply may be seen:

Class A—Containing less than 100,000 bacteria per c. c.	506	68.6 per cent
Class B—Containing 100,000–250,000 bacteria per c. c.	135	18.3 per cent
Class C—Containing 250,000–500,000 bacteria per c. c.	54	7.3 per cent
Class D—Containing 500,000 bacteria and over per c. c.	43	5.8 per cent

Sixteen samples were found to contain pus and streptococci.

In April the attention of this department was called to a small outbreak of scarlet fever which seemed to be due to the milk of one local dealer. Examination of samples from each of the dairies supplying this dealer showed that the milk from two of the dairies contained pus and streptococci. Further investigation showed pus and streptococci in the milk of one cow from each of these dairies. With these cows eliminated the milk was found to be all right and continued so.

The importance, as well as the magnitude, of the milk problem can scarcely be over-estimated. Undue emphasis has been laid by the average citizen in recent years on having a cream-line on the top, and no visible sediment in the bottom of the bottle, left at his door in the morning. Lately, however, more interest has been aroused in cleanliness and bacterial count of milk.

The visible or gross dirt, which may readily be removed through straining by the careful milkman is the least harmful element. It is the bacteria, which are not visible to the naked eye, and their soluble toxins, which cause sickness.

The regulations of the Board of Health permit five hundred thousand bacteria per cubic centimeter. From an educational basis this standard has been productive of good results. It has aroused in some degree at least, every farmer who is sending milk to Cambridge. That better results have not been obtained does not prove present methods to be wrong; but illustrates the enormous scope of the milk problem. While present methods of inspection in vogue in the department are of unquestioned value, it is obviously necessary that the department be augmented by the employment of a field inspector. This official might supervise the production of clean milk at the farms, for great emphasis must be laid upon *clean* milk at the *source*, if the supply of our city is to be greatly improved bacteriologically.

To conform to the requirement of five hundred thousand bacteria per cubic centimeter, both cleanliness and cold are necessary at every stage of the handling of the milk. The cows should be clean, as well as the hands and clothes of the milkers, the pails, cans, strainers, etc. Then if the milk is *cooled immediately* after the milking, and kept continuously below fifty degrees Fahrenheit thereafter, there should be no trouble in meeting the requirement.

The consumer should realize that in order to produce milk under sanitary surroundings, the farmer must spend considerable money; he should realize that clean milk, even at a higher price per quart, is cheaper in the end than is dirty milk; and if the consumer wishes clean milk on his table he must be willing to pay for it.

MODIFIED MILK

The infant-feeding enterprise was again carried on last summer, from June 26 to September 24, a period of thirteen weeks. As was done during previous seasons, the milk was modified in the basement of the City Hall, and taken from there to the five other dispensing stations in various sections of the city.

As last year, the Board of Health acted as advisory committee.

Certified milk was obtained from the Cedar Hill Farm, of Miss Cornelia Warren, in Waltham. This farm is one of the two certified farms from which milk is now being supplied to Cambridge. Thirty thousand, two hundred thirty-two bottles were dispensed to 125 babies. The largest number of babies taking milk at one time was 70, and the largest number of bottles distributed in one day was 462.

Nowhere has preventive medicine a wider field than in the care and feeding of babies. No more profitable investment for the cause of humanity could be made than the appropriation which the City Council has so wisely and generously granted for the maintenance of the modified milk stations for the past six years. Cambridge has not neglected her share in the responsibility for the child sacrifice during the hot months in the crowded cities.

Thanks are due to Miss Rena Schlesinger, who modified the milk, and the other nurses who dispensed the milk at the stations.

It is hoped that the physicians of the city will recognize the possibilities of this philanthropic work and take advantage of it whenever they have infants under their care who could best be provided with *clean* milk in this way. The value of the enterprise has been fully shown.

ERNEST H. SPARROW, M.D.

Inspector of Milk.

DIPHTHERIA HOSPITAL

JANUARY 1—DECEMBER 31, 1911

January 1, 1911, there were remaining in the hospital from the preceding year 10 patients, 4 males and 6 females.

From January 1, 1911, to December 31, 1911, there were admitted to the hospital 162 patients, 85 males and 77 females. Males under 14 years old, 76, over 14 years old, 9. Females under 14 years old, 66, over 14 years old, 11.

Six patients were over 21 years old, one of whom, a man 36 years old, with a history of alcoholism and general neglect, died in two hours.

One case of tetanus was sent to the hospital with a diagnosis of laryngeal diphtheria.

There were 29 laryngeal cases, with 16 intubations and 4 deaths.

One patient was intubed four times, and finally discharged well.

Three patients developed scarlet fever after admission and were transferred to the Contagious Hospital in Brighton, on account of lack of provision to isolate them at the Diphtheria Hosptal.

One patient was admitted to the hospital suffering with diphtheria. She was convalescing from chicken-pox and isolated at once. Later another case of chicken pox developed in a patient who had not in any way come in contact with the first case; she also was isolated. No other cases developed from these.

Total number deaths 22, mortality 13.66 per cent.

The average number of days spent in the hospital for all cases was 19.

The longest stay, 67 days; shortest stay, 15 minutes.

The duration of time spent in the hospital by the fatal cases is as follows:

15 minutes	1 case
1 1-2 hours	1 "
2 "	1 "
3 "	1 "
7 "	1 "
12 "	1 "
13 1-2 "	1 "
24 "	4 cases
2 days	2 "
3 "	2 "
4 "	1 case
6 "	1 "
7 "	1 "

13 days	1 case
17 "	1 "
18 "	1 "
29 "	1 "

There were reported at the office of the Board of Health during the past year 397 cases of diphtheria; of these 161 cases were treated in the hospital.

From the above table it will be seen that of all the fatal cases, half of them died within twenty-four hours after admission, and that of all cases reported about 40% were treated at the hospital.

The mortality from diphtheria would be lessened and the public health would be safeguarded if the public could be brought to realize that all sore throats are suspicious, and that almost every case of diphtheria would recover if treated early and energetically with antitoxin.

GEORGE E. NORTON, M.D.

TUBERCULOSIS HOSPITAL

JANUARY 1—to DECEMBER 31, 1911

I respectfully submit the following report of the work done at the Cambridge Tuberculosis Hospital during the year 1911:

On January 1, 1911, there remained in the hospital, from the previous year, 38 cases. During the year 1911 we admitted 113 new cases and readmitted 11 cases, making a total of 162 cases treated this year.

Of the 38 old cases 5 were patients of 1908, 10 patients of 1909 and 23 patients of 1910.

Two of the five cases died, one of hemorrhages; two still remain in the hospital as ambulant advanced cases; one left unimproved. She had tuberculosis of the glands and skin, and had been treated for a long time with tuberculin without benefit.

Two of the ten patients of 1909 died; one of repeated small hemorrhages, the other of a complicating intestinal tuberculosis. The latter had been operated on two months previous for appendicitis. The appendix was markedly inflamed, but did not show signs of tuberculosis. At the operation the caecum and colon were indurated and chronically inflamed. The bowel tuberculosis antedated the operation by three months. One patient was discharged with no signs in the lungs. He had remained in the hospital two and a half years. Two patients left against advice, one very much improved, the other unimproved. Five still remain as ambulant advanced cases.

Five of the 1910 patients died, one of hemorrhage. They remained in the hospital respectively 10 days, 5 months, 6 months, 10 months, and 10 months. Three left against advice unimproved. Three were transferred to Rutland, Mattapan and Brookline. Six were discharged with the disease arrested. Their stay in the hospital was 3 months, 5 months, 5 months, 5 months, 10 months, 12 months. All are well to date. Three left much improved, remaining 6 months, 1 year and 1 year. One was a suspected case, a little boy who stayed 2 months, most of the time without symptoms. He might be classified as pretubercular. He was recommended to go to the Fresh Air School. Two are still resident in the hospital.

The percentage of this group of cases is as follows:

.18 incipient
.21 moderately advanced
.61 advanced

.18 discharged well
.21 discharged improved
.13 discharged unimproved
.24 still resident

.24 died

READMISSIONS

Eleven cases were readmitted. Originally, eight were advanced and three moderately advanced. One of the latter remained in the same class, the other two had become advanced. Four had been discharged much improved, two with the disease arrested. Seven left against advice, improved, but not sufficiently to warrant discharge. They had been absent 3, 5, 6, 6, 9, 10, 10, 12, 12, 23, 24 months.

After readmission, two died, in one month and three months. One was transferred to Reading. Four are still resident. Four left again contrary to advice, but much improved. Their length of stay was 1, 2, 4, and 8 months.

We meet with many itinerant tubercular, mostly restless spirits, who go away of their own accord, lose ground and come back again, over and over. Many are addicted to alcohol, and when they gain their freedom become a source of trouble to their families, and a menace to the public. If readmission is refused the management of the hospital is severely criticized. When a patient leaves one of the State hospitals against advice he never returns, and the knowledge that this is so has a salutary effect in keeping the patients in residence.

NEW CASES

During the year we admitted 113 new cases, one more than last year. This would seem to be about the average yearly admission. There were reported this year to the Board of Health 243 cases of tuberculosis. We received at the hospital almost .50 of this number. There were sent to the State Sanatoria about .30. The other .20 were treated at home, at private sanatoria, or went out of the State.

Below is given a table showing the admissions each month in the last two years.

	1910	1911		1910	1911
January	11	9	July	10	14
February	7	12	August	11	10
March	9	10	September	4	9
April	19	9	October	7	5
May	9	7	November	6	7
June	14	13	December	6	8

Stages: We follow the classification adopted by the National Association for the Study and Prevention of Tuberculosis. It is as follows:

1. *Incipient:* Slight initial lesion in the form of infiltration limited to the apex of one or both lungs, or a small part of one lobe. No tuberculous complication. Slight or no constitutional symptoms (particularly including gastric or intestinal disturbances or rapid loss of weight). Slight or no elevation of temperature, or acceleration of pulse at any time during the twenty-four hours, especially after rest. Expectoration usually small in amount or absent. Tubercle bacilli present or absent.

2. *Moderately advanced:* No marked impairment of function, either local or constitutional. Localized consolidation moderate in extent, with little or no evidence of destruction of tissue or disseminated fibroid deposits. No serious complications.

3. *Far advanced:* Marked impairment of function local and constitutional. Localized consolidation, intense; or desseminated areas of softening; or serious complications.

The admissions in each stage for each year are given:

	I	II	III	TOTAL
1908	29	31	60	120
1909	39	51	63	153
1910	23	30	48	101
1911	24	31	53	108

The five cases not in this table were as follows: Two were acute pneumonic phthisis, which began as pneumonia (one in a man, one in a woman, in the right apex and in the left apex). One was sick four weeks and died, the other was sick ten weeks and left, to die at home soon after. One was a tubercular pleurisy, who was tapped four times and is still resident, gaining rapidly. Each tapping was necessitated by urgent symptoms. There was one case of apparent primary laryngitis, very severe. He remained five weeks, gradually growing worse. He went home to the old country. One case was a hydrothorax, due to weak heart (myocarditis). There was also fluid in the abdomen and marked oedema of the scrotum and both legs. He was tapped twice and with the assistance of heart tonics got well in three months.

Sex. There were far more men admitted this year than women, and less women, proportionately, than in former years. We have had right along this year plenty of vacant beds in the women's ward, but could not accommodate all the men who applied for admission. It does not follow from this that there is less tuberculosis this year among women, because of the 243 cases of tuberculosis reported this year 134 were men and 109 women, or .55 men and .45 women, which corresponds pretty well with the proportion maintained at the hospital previously.

	NUMBER			PER CENT	
Year	Male	Female	Total	Male	Female
1908	70	52	122	57	43
1909	90	68	158	57	43
1910	65	47	112	58	42
1911	72	41	113	63	37

Age: As in former years, tuberculosis is more prevalent between he ages of 20—30, between 30—40 next and between 10—20 next. Below are the ages for the last years.

	5–10	10–20	20–30	30–40	40–50	50–60	60–70	Total
1910	5	22	33	23	17	5	7	112
1911	2	22	31	27	20	9	2	113

Social status: Fifty-eight were single, forty-six were married, and nine were widowed.

Nativity: Of the 113 patients, 45 were born in foreign countries, 68 in the United States, 40 in Massachusetts and 25 in Cambridge. The proportion of natives, .60, to foreign born, .40, is about the same as last year. Our own city contributed .22.

Nationality:

31 Irish Americans
17 Irish
14 Americans
10 Canadians
8 Negroes
6 Swedes
5 Russian Jews
4 English
4 French Canadians
2 French Americans
2 Portuguese
2 Portuguese Americans
2 Italians
2 Finns
1 French
1 Norwegian
1 Scotch American
1 Turk

Occupation: The occupations were numerous. Eighty-five were indoor workers, 28 outdoor workers. The number of housewives, factory hands, rubber workers, iron workers and teamsters is noteworthy. It is evident that some of our factories need medical supervision badly. I have several times been able to trace the source of disease to the carelessness of fellow-workers.

1 Boilermaker
1 Bookbinder
2 Bookkeepers
1 Brakeman
1 Bridge builder
1 Bundle boy
1 Butcher
1 Cabinet maker
1 Candy maker
1 Cigar maker
8 Clerks
1 Cook
4 Carpenters
1 Cooper
1 Diver
2 Domestics
1 Elevator man
7 Factory hands
1 Gardener
1 Glass maker
21 Housewives
6 Iron workers
1 Lumber man
1 Laborer
1 Lather
2 Masons
4 Painters
1 Pedler
1 Piano maker
7 Rubber workers
1 Rigger
1 Sailor
1 Superintendent
10 School children
1 Shipper
1 Stone cutter
1 Soap maker
6 Teamsters
2 Tailors
1 Tailoress
1 Telephone operator
2 Waiters

Source: Thirty-nine cases gave a history of tuberculosis in their immediate families. In nine cases there was intimate contact, such as one member of a family caring for another, throughout the sickness, occupying the same bed, etc. Four cases resided in tenements in which there had been tuberculosis previously. Contact with fellow-workers with the disease has been mentioned above. In seventy-four cases there was no history of the disease in the ancestors or family.

Distribution of cases in the city wards: Wards IV, III and II had the most cases. Eight cases came from out of town.

Year	I	II	III	IV	V	VI	VII	VIII	IX	X	IX	Outside
1908	13	5	16	17	4	12	10	4	9	4	6	22
1909	18	7	20	13	6	6	16	8	3	5	9	38
1910 ...	8	5	19	16	2	12	9	8	8	1	14	10
1911	4	16	19	20	5	8	6	7	5	2	12	8

AVERAGE, HIGHEST AND LOWEST NUMBER OF PATIENTS EACH MONTH

	Aver.	High	Low		Aver.	High	Low
January	35	38	31	July	49	53	46
February	45	48	40	August	49	52	46
March..............	49	52	45	September	44	47	39
April	46	49	38	October	41	43	38
May	44	48	41	November	39	41	38
June	44	49	40	December	40	43	11

CLINICAL FORMS

Chronic Pulmonary Tuberculosis: Most of the cases were of this type.

Tubercular Bronchitis: There were two cases. One improved a great deal, the other became broncho-pneumonic and died of frequently recurring hemorrhages.

Acute Pneumonic Phthisis: There were two cases, both fatal. They were mentioned above.

Tubercular Pleurisy: There was one case. He also had small areas of consolidation in the lung. The bacillus was found after repeated tries. He was tapped three times for dyspnoea. The last time the fluid returned, remained at a standstill, then began to diminish. He is improving fast.

Laryngitis: There was one case of apparent primary laryngitis. He went down hill rapidly. He left unimproved. Four cases had laryngitis of severe type as a complication. There were many cases of transitory laryngitis. Fortunately we have had less throat complications this year than previously.

COMPLICATIONS

Hemorrhage: Five cases began their disease with hemorrhage (so they say). Slight hemorrhages occurred during the course of the disease in sixteen histories. We had twelve cases with severe hemorrhage in the hospital. Four patients died of hemorrhage. Hemorrhage seemed to be more prevalent than usual this year.

Diarrhoea: Intestinal tuberculosis was seen in twenty cases, usually late in the disease. Most of the cases occurred in the summer. Last summer we had considerable gastro-enteritis among the patients.

Ischio-rectal abscess: There were four cases of fistula from old abscesses and one case of abscess, which was opened at the hospital.

Other Complications: There were two cases of broken compensation, one case of diabetes, one case of amyloid liver, kidney and spleen, and two cases of chronic nephritis. Acute rheumatism was seen in two cases, and sciatica in two cases.

Starting point of the disease: The right apex was involved in 68 cases, the left in 31 cases, the right base in 9 cases, and the left base in 2 cases. With the right apex involved were 47 men and 21 women; left apex 15 men and 16 women; right base, 8 men and 1 woman; left base 2 men.

Sputa: On entrance we got 65 positive sputa, 26 negative sputa and 22 unsatisfactory specimens or no sputa.

RESULTS

Mortality: Of the 1911 patients 17 were discharged dead, and 13 of those discharged unimproved died during the year at home, making the death rate .26 among these 113 patients. The death rate last year was .30. The mortality of the hospital this year, including 17 deaths of this year's patients, 9 deaths of last year's, and 2 deaths of readmissions, was .17 in a total of 162 patients.

Unimproved: There were discharged, unimproved, 19 cases, 13 of whom have since died. Five old cases were also discharged unimproved, making .14 discharged unimproved.

Improved: Thirty cases were discharged improved. Many of them were almost well. Four of them were transferred to Rutland, 1 to Mattapan, 1 to Tewksbury and 1 to the Holy Ghost Hospital. Four old patients and 4 readmissions were also discharged improved, making a total of 38, or .24.

Arrested: Nine cases were discharged without symptoms. Six old cases were also discharged arrested, making a total of 15 cases, or .09.

Resident: Twenty-nine new cases and nine old cases remained in the hospital Dec. 31, 1911, making a total of 38 or .24.

Some time in December we had admitted since the starting of the hospital 500 patients. A few statistics regarding these patients may be interesting. Two hundred twenty-one have died or about .44. In 1908 we admitted 122; 64 have died, or .52. Eleven died in 1908, 35 in 1909, 13 in 1910, and 5 in 1911. In 1909 we admitted 158 cases; 68 have died, or .43. Thirty-three died in 1909, 28 in 1910, and 7 in 1911. In 1910 we admitted 112 cases, Fifty-seven have died, or .51. Thirty-eight died in 1910 and 19 in 1911. In 1911 we admitted 108 cases, to make the total 500. Thirty have died, or .24. From these statistics carried over four years, the mortality of tuberculosis would appear to be about .44. That is to say, that under present conditions about one half of the persons who contract this disease succumb within three to four years. The other half, including those who took their treatment faithfully and those who showed some resistance to the disease, will live for a varying interval, which is very hard to determine. Many of those discharged in the first year are still well, and one often sees patients who had the disease nine to ten years ago still vigorous. Years of observation only will enable us to determine how efficient is our treatment. Meanwhile, we know that year after year the mortality from tuberculosis in all large cities is growing steadily less.

Following out some suggestions made in the last report, the Board of Health has made an addition to the hospital which will enable us to take care of 50 more patients. The two dining rooms in the main building are being changed into wards for advanced cases. In each ward, at the end, will be a small room for the dying. Each ward will have also a properly equipped bath room. A new building is being erected in the rear in the form of an L. On the ground floor it will contain two recreation rooms, two large bath rooms equipped with tub and shower baths and a laundry. The recreation rooms will supply a place where the patients may go in stormy weather. The baths offer us an advantage to which we have looked forward for a long time. Heretofore we had a very small laundry, and consequently many of the patients had to carry their clothes home to be washed, necessitating too frequent trips to the city with all the evil results which that entailed.

On the second floor will be a new dining room, serving room, nurses' dining room and a large addition to the present kitchen. On the third floor will be rooms for nurses and attendants. To the present, our nurses had to room outside the hospital.

The buildings are erected after the shack plan, made of sidings, more or less open, and consequently hard to heat. If the main buildings were plastered on the outside, it would make them more substantial, give them a tone of permanency, and render them easier to heat in the very cold weather.

FELIX McGIRR, M.D.,

Physician.

SCHOOL INSPECTION

On February 12, 1896, the Board of Health voted to have the medical inspector prepare a plan for the medical inspection of the public schools "to prevent contagious disease." He was to submit also the names of physicians whom he thought competent to do the work and the prices for which they would undertake it.

At that time Cambridge had a population of 82,000 and about 13,000 public school children.

One week later this plan was submitted and adopted. The city was to be divided into six districts with one physician to each, who was to visit each school in his district each morning session and examine all children referred to him by the teacher. Any child showing signs of contagious disease was to be sent home at once and the Board of Health notified. At the same time it was voted that the salary of these school inspectors should not exceed two hundred dollars a year.

The scheme was taken up with the members of the School Department who agreed to co-operate. Accordingly six physicians were appointed and began work in April, 1896. Each inspector had six schools.

With public school inspection well established, conferences were held with the idea of having inspection for the parochial schools. Coincidently, exclusion of children sick with or exposed to contagious disease until danger of transmitting the disease was passed, was put into effect in all private schools.

In May, 1896, a school inspector was appointed to St. Mary's Parochial School, at a salary of one hundred dollars a year.

To secure uniformity in school inspection work, a circular letter was sent to the school physicians in May, 1896. It required them to examine only such children as were indicated by teachers as complaining or suffering from disease: to send home any child suspected of having infectious disease; not to recommend employment of any special physician in a particular case; in trouble with eyes or ears to suggest that the principal recommend to the parents that the eyes or ears be examined; and to consult with the Medical Inspector of the Board concerning any special cases.

The work continued on this basis until 1900, when a new set of regulations was adopted, which included those in force up to that time, and in addition required from the teachers a written list of the pupils to be examined, an examination of such other children and parts of buildings as seemed necessary; the prescribing of specific treatment in cases of pediculosis and tinea; and the forwarding of all statements with comments to the Board of Health office on the first of each month. These regulations were approved by the School Department also, with a renewed expression of desire for co-operation.

In June, 1902, a school inspector was appointed for St. Paul's Parochial School. There were then six physicians for the public schools at two hundred dollars a year, and two for parochial schools at one hundred dollars a year. Two years later two more parochial school inspectors were appointed and four years later a fifth.

Further revision of the regulations was made in 1904, when it was laid down that every new pupil should be examined for evidence of vaccination, that more thorough inspection of buildings be made as to heat, light, ventilation, temperature and air space. In addition the school inspectors were to make visits for the release of scarlet fever patients and to take cultures for the release of cases of diphtheria.

Our system of school inspection had been in operation ten years when the Massachusetts legislature passed a law which made it compulsory that every city and town in the state provide school physicians to act on lines substantially the same as those we had already developed.

This act (Chapter 502, Acts 1906,) required:—

1. That the school committee appoint one or more school physicians, assign one to each public school and provide them with all proper facilities for their work, unless the Board of Health were already maintaining or should thereafter maintain such medical inspection, when the Board of Health should appoint the physicians.

2. Every school physician was required to make a prompt examination of all children referred to him, "and such further examination of teachers, janitors and school buildings as, in his opinion, the protection of the health of the pupils" might require.

3. The school committee was required to refer to him for examination and diagnosis all children returning to school without a certificate from the Board of Health after illness or absence from unknown cause, and all children showing signs of ill health or of suffering from infectious disease, unless excluded at once by the teacher.

4. The school committee was also required to send notice to parents or guardians of defects or disease and a child showing "symptoms of smallpox, scarlet fever, measles, chickenpox, tuberculosis, diphtheria or influenza, tonsilitis, whooping cough, mumps, scabies, or trachoma" was to be sent home immediately and the Board of Health notified at once.

5. This section of the act required a test of sight and hearing of every child every year to be made by the teachers, and a physical record of each child in form as prescribed by the State Board of Education.

6. The directions and tests were to be prescribed by the State Board of Health, and the means for carrying them out were to be provided by the State Board of Education.

7. This section provided that the expense of carrying out this act should not exceed the appropriation and was repealed two years later largely because the act could be evaded by lack of appropriation.

In 1910 an amendment to this law was enacted and added to the duties of school physicians, that of examining children between fourteen and sixteen years of age who applied for "age and schooling certificates" under another law. (Acts 1909, 514.)

During a violent outbreak of scarlet fever in 1907 the Board of Health appointed six additional physicians for temporary duty as school inspectors. They served about a month and a half. The same year the first school nurse began her duties and in 1910 the second.

In 1909 the city was redivided into six districts as nearly as possible of equal school population, with definite boundary lines. One of these districts was assigned to each public school inspector who inspects the schools and releases cases of scarlet fever and diphtheria therein. At the same time the salary of each inspector was made two hundred and fifty dollars. This is the present arrangement. Each physician has about 2700 pupils to look after.

The parochial school inspectors are five in number. Each receives one hundred dollars and has one school to inspect, with no releasing.

August 7, 1911, all school inspectors were placed under civil service.

Not long ago the plan of having the school physicians work under the school department was suggested. It seemed to the Board of Health that such an arrangement would not yield as satisfactory results towards the protection of the public health as the one already existing. Inquiry in twenty-six of the largest cities and towns of the state, made at the time, showed that all but five maintained their systems of school inspection under their boards of health for greater efficiency. Since then at least one of the five cities has transferred this work from the school department to the board of health.

During the past sixteen years our population has increased by 24,000 and our public school children by 3,000, still we have but the same number of public school physicians with which the work was inaugurated. To increase our efficiency or even maintain it, we must have more inspectors.

What has been said of school inspection in the past year holds good this year. The inspectors have seen 1886 cases which needed attention as against 1870 last year. Of all the ailments found the most frequent were, as usual, adenoids, enlarged tonsils, and pediculosis. Of these the most important is pediculosis because of the remarkable ease with which it spreads and the possibility of greatly reducing it if not stamping it out altogether. It is all well enough for the school inspectors to exclude cases with instructions what to do, but if the cases are not followed up and shown what to do they are very apt to return with the parasites still present, only to be excluded again. Almost invariably this disease is acquired from other members of the family who are not school children. When, therefore, a child does return free from parasites, it remains free for a short time and has to be excluded again for another attack.

In such cases as these the school nurse can accomplish a great deal. She goes to the home of the excluded child, gives the first treatment with careful instruction to the mother how to continue it, tactfully looks over the other members of the family and if necessary starts them on treatment. By thus eradicating the disease in the home the possibility of having to exclude the child a second time is greatly reduced. Very often the nurse is able to note that other members of the family need medical attention for other ills, and recommend that the family physician be called in before the condition is as far advanced as would be the case, had the mother's notice not been called to it, before assistance is sought.

One great difficulty is that we have only two nurses to cover the entire field. It is possible for them to take only the very worst cases. Until we have more nurses, therefore, it will be impossible for us to accomplish more.

Following is the consolidated report of the school inspectors of the cases reported to them:

1. Specific Infectious Diseases:

Scarlet fever	4	
Measles	22	
Whooping cough	12	
Mumps	10	
Chicken pox	13	
Influenza	1	
Tuberculosis (pulmonary)	1	
Tuberculosis (other forms)	8	
German measles	4	
		75

2. Diseases of the Oral and Respiratory Tract:

Alveolar abscess	2	
Dental caries	16	
Acute pharyngitis	32	
Adenoids	133	
Enlarged tonsils	77	
Enlarged tonsils and adenoids	91	
Acute tonsillitis	39	
Elongated uvula	2	
Acute rhinitis	3	
Nasal obstruction	7	
Epistaxis	2	
Postnasal catarrh	2	
Acute laryngitis	20	
Chronic laryngitis	1	
Acute bronchitis	17	
Chronic bronchitis	2	
Defective speech	6	
	——	452

3. Diseases of the Ear:

Otitis media	12	
Imperfect hearing	15	
	——	27

4. Diseases of the Eye:

Foreign bodies	2	
Blepharitis	5	
Stye	10	
Acute conjunctivitis	61	
Phlyctenular conjunctivitis	3	
Granular conjunctivitis	7	
Ulcer or opacity of cornea	3	
Strabismus	21	
Imperfect sight	24	
	——	136

5. Diseases of the Skin:

Acne	5	
Alopecia areata	2	
Dermatitis	16	
Eczema	42	
Erythema	1	
Furuncle	9	
Herpes simplex	58	
Herpes zoster	2	
Impetigo contagiosa	34	
Pediculosis	261	
Psoriasis	1	
Scabies	23	
Seborrhea	6	
Tinea circinata	20	
Other tineae	3	
Urticaria	2	
	——	485

6. Miscellaneous Diseases:

Anemia	26	
Debility and malnutrition	15	
Headache	5	
Cervical adenitis	28	
Chorea	8	
Ulcer	1	

Deformities	5	
Deformities (other than spinal)	1	
Sprains	2	
Wounds and contusions	28	
Abscess and sepsis	27	
Epilepsy	2	
Cardiac diseases	7	
Gastric diseases	5	
Intestinal diseases	3	
Urinary diseases	9	
Vaccinations examined	41	
No trouble, negative	278	
Doubtful	31	
Dirty	4	
Malingering	9	
Feeble minded	14	
Defective attitude	4	
Inspections	29	
Sent home because of contagious disease in house	4	
Examined with reference to transferring to or from Fresh Air School,	85	
Unclassified	40	
		711
		1,886

BRADFORD H. PEIRCE, M.D.,

Medical Inspector.

REPORT OF THE SCHOOL NURSE

January 1—December 31, 1911.

The school nurse respectfully submits her report for the year.

It is with pleasure that note is made of the official appointment, on January 1, 1911, of Miss Woodworth, who formerly was loaned to the Board of Health by the Cambridge Visiting Nursing Association, and whose services have proven invaluable in school work.

Said nurses worked, as in previous years, directly under the Board of Health, in conjunction with the School Inspectors, and in co-operation with the members of the School Department.

During the year routine inspection was made in every public school of the city, while, by special request, a few children from the parochial schools received attention.

All cases, except those of defective vision, were held for examination by the respective school inspectors. Suspicious cases and children suffering from contagious parasitic diseases were excluded, to be followed later to their homes by the nurses.

Children whose parents or guardians for some good reason were unable to attend to examinations or treatments were taken by the nurses to private physicians or clinics, and their after-treatments supervised.

One morning each week was devoted to the fresh-air school, where results have proven conclusively the value of early treatment for malnutrition and anaemic cases.

The work of the nurses has been preventive rather than curative, and it is gratifying to note the ever-increasing interest on the part of the parents, and their willingness to co-operate for the good of their children.

It is obvious that the present staff of two nurses is wholly inadequate to meet the demands of the six inspectors, and it is earnestly hoped that in the near future there may be one or more nurses added to the school staff.

Thanks are tendered the school inspectors for their unfailing courtesy, and to the members of the School Department and to all who have aided the work of the school nurses.

HOME CALLS

Adenoids	383	Scarlet fever suspects	3
Nasal obstruction	20	Malnutrition	24
Deviated septum	3	Anaemia	64
Nasal catarrh	4	Endocarditis	8
Defective hearing	60	Rheumatism	8
Otitis media	37	Rachitis	3
Acute laryngitis	13	Eneuresis	31
Pharyngitis	1	Masturbation	7
Tonsillitis	3	Impetigo	28
Adenitis	15	Eczema	3
Bronchitis	4	Scabies	38
Pneumonia	2	Ringworm	11
Tubercular suspects	54	Pediculosis	66
Tubercular laryngitis	5	Unkempt condition	1
Tuberculosis	4	Ulcer of cornea	11
Pott's disease	3	Grippe	1
Spinal curvature	22	Hernia	1
Neurasthenia	11	Paralysis	2
Chorea	14	Aphasia	1
Defective vision	213	Retardation	11
Strabismus	66	Decayed teeth	12
Keratitis	41	Whooping-cough	3
Granular lids	18	Flesh wound	1
Epilepsy	2	Questionable diagnosis	21

TOTALS

Number of cases held for inspection	819
Number of cases taken for treatment	508
Number of Home Calls—recorded	1,357
Number of Home Calls—unrecorded	330
Number of notes sent to homes	167
Number of free glasses provided	10 prs.

J. M. C. HUME,

School Nurse.

REPORT OF THE INSPECTOR OF PROVISIONS

January 1—December 31, 1911

The undersigned respectfully submits his report as Inspector of Provisions for the year ending December 31, 1911.

The matter of inspection of food stuffs and supplies has been carried on so strictly during the past few years that only minor causes of complaint exist, and these causes, when found, have been easily remedied.

The attitude of persons having business with the Inspector has been of a most satisfactory character and has made it possible to accomplish the work of inspection with the least amount of friction. This is especially true of store-keepers and market-men.

Many minor changes in methods of exposing food supplies for sale have been suggested and the suggestions found a ready compliance in almost all cases.

It has not been necessary to appeal to the courts in order to secure prompt or favorable agreement with any orders which it was deemed advisable to make.

The manufacture and sale of ice cream and frozen sweets has increased to such an extent that the inspection of the business has become a matter of much consideration by reason of the time which must be given to meet the requirements adequately.

The same excellent conditions of sanitation and in the handling of materials, which have heretofore existed among the large makers of such commodities, are still prevalent, but among some of the smaller manufacturers, there has grown a habit of mixing the ingredients in the cellars of their places of business.

This practice should be discouraged, as in some cases the surroundings are hardly up to the proper standard for such work, although not particularly objectionable for use for freezing purposes.

In one respect, all makers of ice cream might well use greater care and discretion, and that is in the selection and personal habits of the persons who have to do with the handling of the product. Greater care and discrimination should be exercised to secure help who will be cleanly in person and clothing, especially in the busy season.

A thorough inspection of bakeries and baking establishments has been made. These establishments, both wholesale and retail, are in excellent shape, and better general conditions cannot easily be found. All the baking in Cambridge is now done above the street level except in two instances, and in these exceptional cases the greatest attention is paid to the sanitary arrangements.

A few years ago several bakeries did their baking in basements, but gradually the shops have been discarding cellars for such use, in agreement with the understood policy of the Board of Health. These subterranean ovens are frequently attended with conditions dangerous to the public health, and their use should be avoided when possible to do so.

The only criticism which the Inspector makes is in the methods of handling the materials that are used in manufacturing the products. In some instances more care might be exercised in the manner of keeping lard, butter and other such substances which are liable to become injured by reason of dust and germs. They should be kept properly covered and secured at all times.

The conditions in the confectionery establishments continue to be satisfactory. It has not been possible to give a thorough inspection during the past year, owing to the limited amount of time at the command of the Inspector, but the close and strict investigation of the preceding seasons brought conditions to such a state that there was little cause for reasonable complaint.

The markets and retail stores carrying food supplies are in splendid condition. It is unavoidable that some causes for complaint should exist on account of so large a number of stores.

The sanitary conditions of markets and stores have received careful inspection, both by the undersigned and by the Inspector of Plumbing, John McCormick, and results have been entirely satisfactory. The few cases of improper methods of sanitation have been remedied at our request.

Lunch carts and restaurants have received attention more particularly as to the methods of storage and handling supplies. All carts have installed direct connection of waste pipes with the public sewers, and eliminated a common objection to their maintenance.

Three days in each week are devoted to the inspection of slaughter houses for animals, and the regulations of the Board have been enforced strictly.

The slaughtering of poultry is carried on every day, and it has been possible to keep up the work of inspection only at intervals.

The following statistics are submitted:—

SLAUGHTER HOUSE INSPECTION

Veal slaughtered	12,796
Sheep slaughtered	215
Hogs slaughtered	326
Fowl slaughtered, about	47,000

Veal condemned	387	
Sheep condemned	4	
Hogs condemned	16	
Poultry condemned, about	1,200	lbs.

Two sheep condemned for emaciation and two for septicaemia.

Hogs condemned for tuberculosis and weak condition when slaughtered.

Fowl died of natural causes and found dressed for market; others weak, diseased, unfit for food.

MEAT PRODUCTS CONDEMNED

Beef	1,386	pounds
Lamb	407	"
Pork	207	"
Poultry	1,203	"
Fish	1,026	"
Lobsters	87	"
Oysters	4	gallons
Clams	8	"

FRUIT CONDEMNED

Grapes	310 baskets
Melons	11 crates
Pears	4 bushels
Peaches	13 baskets
Lemons	2 1-2 crates
Strawberries	427 quarts
Pineapples	2 crates
Oranges	1-2 crate
Cranberries	2 bushels
Blue and blackberries	87 quarts
Cocoanuts	2 crates

VEGETABLES CONDEMNED

Potatoes	57 bushels
Celery	1-2 box
Squash	3 barrels
Sweet potatoes	1 bushel
Spinach	3 barrels
Onions	16 bushels
Egg-plant	32
Lettuce	6 boxes
Cabbage	2 barrels

126 cans of vegetables unfit for food.

JOSEPH L. JOHNSON,

Inspector of Provisions.

NUISANCES ABATED

Offensive and defective water-closets	336
No traps to sinks	131
Leaky and defective traps	132
Defective drainage, open and defective drains	75
Plumbing tests made	25
Filthy yards	824
Filthy stables	45
Manure in yards and lots	1
Wet and damp lots	34
Stagnant water on premises	35
Dead animals on premises	9
Dead hens on premises	3
Filthy buildings	43
Filthy cellars	206
New water-closets put in	92
Dirty hen-coops	15
Garbage receptacles cleaned and new ones provided	186
Vacant lots cleaned	16
Cellars from which fowl were removed	12
Bakeries whitened	12
	2,232

Number of inspections	20,182
Number of subsequent inspections	14,825
	35,007

Number of notices served	132
Number of houses placarded	362
Premises disinfected	856
Public sanitaries inspected and cleared	1,095
Public sanitaries repaired	4

PATIENTS REMOVED TO HOSPITALS

Diphtheria Hospital	146
West Dept. Homeopathic Hospital, Brighton	53
Tuberculosis Hospital, Concord Avenue	30
Cambridge Hospital	12
State Infirmary, Tewksbury	3
Stillman Infirmary	1
	245

KITTIE L. MAGOUN,

Clerk pro tem.

REPORT OF TRUSTEES OF THE SANDERS TEMPERANCE FUND

This board herewith submits the fifty-sixth annual report relative to the fund, nominally in its charge.

As has been repeatedly said in former reports, the Sanders Temperance Fund has no existence as a separate foundation, the money of which it is constituted being held in the city treasury as a liability of the City of Cambridge.

The sum of ten thousand dollars was received in the year 1864 from the executors of the will of Charles Sanders, a former resident of Cambridge, interested in its welfare. In the will it is prescribed that the city shall forever pay the interest thereon "as a permanent salary to some worthy man who has discretion and zeal in the cause, to be constantly employed as a missionary in the cause of temperance in reforming old drunkards and preventing young drunkards, and abolishing as far as possible the use of all intoxicating articles." This bequest was accepted by the City Council, October 5, 1864, upon the terms and conditions set forth in the will and the amount was paid into the city treasury.

The salary of the missionary to be appointed was fixed at the rate of $600 a year, that sum being the interest at six per cent. on $10,000, the amount of the bequest. The salary has been continued at the same rate up to the present time. The present Missionary of the fund is Mr. James Hicks, who has filled the position since the year 1896. Mr. Hicks has unceasingly carried on his work, without publicity, daily and nightly in all seasons, and has accomplished great good in our community. Homes made desolate by the intemperance and neglect of those who should have been the guides and managers, he has visited and sought by his personal effort to turn the victim of rum and its attendant evils from his errors, and lead him in the way of a better life. We believe that he has brought happiness in this way to many homes. In the District Court of the city he is a regular visitor, and has made many successful appeals in behalf of victims of intemperance.

His many years of successful experience in this work of reform have given to Mr. Hicks an especial fitness for his philanthropic duties, and his faithful and unselfish earnestness is thoroughly appreciated by all who have knowledge of his service.

His own accompanying report recites in fuller detail the story of what he has done during the past year.

J. EDWARD BARRY,
JAMES T. BARRETT,
FREDERICK H. BURKE,

Trustees of Sanders Temperance Fund.

CAMBRIDGE, April 1, 1912.

To the Trustees, Sanders Temperance Fund:—

GENTLEMEN:—I hereby present my Annual Report for the year ending March 31, 1912.

Throughout the year I have devoted my whole time to the work intrusted to me, as missionary of the Sanders Temperance Fund, endeavoring, as near as possible, to carry out the wishes of the philanthropic donor, who made it possible for the City, through his liberality, to engage the services of a worthy man, to represent his earnest desire in saving, if possible, the old drunkard, and preventing, so far as possible, the young from going astray through the enchanting beverage. I have felt keenly the responsibility laid upon me to do my whole duty.

Commencing my daily work, in attending the sessions of the Third District Court, here many opportunities come to me to help not only the drunkard, but his wife and family, the latter always, the innocent sufferers.

I am glad to say that the privilege of helping the down-trodden, by advice and any other means at my disposal, has become to me a daily pleasure. Most of those who frequent our Court are well known to me through the habit formed by their using strong drink. I may say few mornings pass without advice-seekers giving me a call, and soliciting my help, to save the father to the family through the medium of the pledge.

I have had one hundred and twenty calls at my home during my evening office hours, from mothers, some representing large families, complaining of husbands, who won't work and support their families, because of the drink habit. Most of these cases I visit in their houses, which speaks out in condemnation against the thoughtless, unconcerned father. I advise the pledge. It is generally given, and I believe, in most cases, taken to escape complaint before the Court, but in many instances it works well.

The new temperance experience becomes a wonder-working power to get a changed, a happy home.

During the year I have made one thousand and twelve visits to families, the greater part of which sought my services at the Court or at my home. I am pleased to report good results in many cases. I have ever been well received throughout the city, even the poor drunkard always giving me a kindly greeting.

During the winter, through the appeal made by the editors of our Cambridge papers for cast-off clothing, the charitably disposed have responded and I have been able to assist several needy families. The Bishop Brooks House, through the social committee, has been a great help. Year after year, worthy men have been helped by this charity to such an extent that they became attendants at their respective churches, after they gave up the intoxicating cup. Other institutions have sent me clothing, which has greatly helped those in need, amongst them, the Old People's Home in Mount Auburn.

The Temperance work, through the Temples of Honor, and the Reform Clubs, takes no backward steps. There are a strong band of reformed men, and others, who are constantly at work interested in the uplifting of their fallen brothers. I have attended and assisted in the conduct of one hundred and forty of these meetings, which are held evenings commencing at 8 o'clock. Many hundreds of men have taken the pledge at these gatherings, and are completely changed in life and character.

Our City has once again voted the saloon out, which makes it easy for reformed men to keep their pledges. May we always keep our record, and may our vote largely increase next year. The Church needs it, the home needs it, and our weaker brothers need it. On this, I believe all right minded citizens are united.

I have collected many thousand pages of literature, which I have distributed in the City Institutions, the hospitals, the House of Correction and other places, such as the fire houses and in some of our police stations. In addition to the many Temperance meetings which I have attended I have had over thirty calls from out of town Temperance workers to address their meetings on the subject of our Cambridge experiences in the work. I have gone to Lynn, Everett, Gloucester, East Weymouth, East Boston, Boston North End, Mansfield, South Boston, Malden and other places delivering my messages, which I trust were productive of much good.

I can only give a sort of summary of my work. In the course of a year the hundred of little things done to help the weak and poor, the good advice to all sorts and conditions of men constantly given, goes to fill up one's time, and I know my labor has not been in vain. Sometimes the little words spoken at the right time have proved all-powerful with God's blessing; how often have I proved this to be the case in the lives of many.

In conclusion, I thank all who have wished me Godspeed in my work of faith and labor of love, especially the Temperance Societies who so earnestly prosecute the work and principles of Temperance. Working with them hand to hand I find my work made easy. I can always find a hearty welcome for the poor drunkard in their meetings and every encouragement given him to turn over and lead a sober life.

May the good work meet encouragement from all good people of all the churches, and may the life line ever be out to save the fallen, is the prayer of

Yours faithfully and respectfully.

JAMES HICKS,
Missionary Sanders Temperance Fund.

REPORT OF SUPERINTENDENT OF STREETS

To the Honorable, the City Council:—

Gentlemen:—In accordance with the provisions of Chapter 25 of the Revised Ordinances of the City the annual report of the Superintendent of Streets for the fiscal year ending March 31, 1912, is herewith respectfully submitted.

The regular appropriations of the department provided out of the tax levy, are first treated and are followed by the special appropriations, funds of which were provided by issues of bonds.

BRIDGES

Appropriation		$8,175 00
Payroll, drawtenders	$6,641 58	
Labor, First Street Bridge	5 78	
Labor, Third Street Bridge	130 13	
Labor, Sixth Street Bridge	37 13	
Labor, Walden Street Bridge	59 25	
Labor, Porter Station Bridge	8 00	
Materials, First Street Bridge	118 47	
Materials, Third Street Bridge	374 24	
Materials, Sixth Street Bridge	130 91	
Materials, Walden Street Bridge	19 66	
Materials, Wellington Street Bridge	24 02	
Materials, Mt. Auburn Street Bridge	21 29	
Materials, Commercial Avenue Bridge	43 25	
Repairs, Alewife Brook Bridge	61 15	
		7,674 86
		$500 14
Transferred to Street Cleaning		500 00
Balance		$ 14

BRIDGES

On January 2, 1912, the new Commercial Avenue Bridge was placed in operation. This bridge extends over the Lechmere Canal. It requires the services of six drawtenders, as there is a large amount of traffic in the canal and is operated by electric motors controlled from one side.

Although there is a great amount of heavy teaming across the bridge, it should not require much repairing the coming year. The drawtenders' house, however, is much too small and should be enlarged and conveniences provided for the men.

The First Street Bridge must be immediately replanked as the heavy teaming over it has completely worn out the top decking. The drawtender's house on this bridge needs enlarging and sewer and water connections installed.

The Wellington Street Bridge over Alewife Brook has been temporarily repaired during the past year, but will need to have the masonry straightened and pointed and the entire superstructure renovated the coming year, as it would not be safe to allow it to continue in the condition it is now in.

The annual inspection by the City Engineer has been made and his recommendations are as follows:

WELLINGTON STREET BRIDGE OVER WELLINGTON BROOK

This bridge is and has been for some time in very poor condition. The stone abutments should be largely relaid and the wooden structure entirely rebuilt this season.

HURON AVENUE PIPE LINE BRIDGE

The iron work of this bridge should be thoroughly cleaned and painted and minor repair made of the surface timber.

WALDEN STREET FITCHBURG RAILROAD BRIDGE

This bridge will need some renewals of a number of the steel parts which have become weakened by corosion; also, some of the protective covers should be replaced, and the bridge should be cleaned and painted the coming season.

CAMBRIDGE BRIDGE, FIRST STREET UNDERPASS

The exposed portions of the steel work of this bridge are rusting considerably and should be scraped and painted at once. The rest of the bridges will need only minor repairs such as can be made by the repair gang.

MOTORS FOR SIXTH STREET BRIDGE

Appropriation		$500 00
Motors	$310 30	
Labor	50 00	
Hardware, tools, etc.	14 56	
Shafting and gears	125 00	
		499 86
Balance		$ 14

MOTORS FOR SIXTH STREET BRIDGE

Pursuant to a recommendation made in last year's report, motors have been installed on either side of the Sixth Street Bridge. The bridge now rises and falls with reasonable celerity and the improvement is greatly appreciated by the employees of the various factories in the vicinity. Two five horse-power five hundred and fifty volt motors were installed.

COLLECTION OF ASHES

Appropriation		$50,000 00
Additional appropriation		3,000 00
		$53,000 00
Payroll	$43,371 83	
Teaming	363 00	
Hay	2,796 48	
Grain	3,441 95	
Straw	214 84	
Hardware, tools, etc.	187 50	
Harnesses, repairs, etc.	426 33	
Wagon repairs	396 46	
Painter's supplies	22 20	
Horseshoeing and stock	294 18	
New equipment	88 50	
Salary of foreman	1,200 00	
Ash cart covers	122 25	
Sundries	101 12	
		52,999 64
Balance		$ 36

YEAR	Number of Cubic Yards Collected	Amount Expended	Unit of Cost Per Cubic Yard
1905	100,084	$32,499 23	$.324
1906	106,106	33,686 46	.316
1907	113,604	37,458 48	.329
1908	122,901	40,152 36	.319
1909	132,146	44,599 62	.337
1910	141,301	47,099 28	.333
1911	158,973	52,999 64	.333

COLLECTION OF ASHES

The table shown above now gives comparative figures for the past seven years. A careful perusal of these figures cannot fail to impress one with the quantity of wastes produced in the city in one year. There is an increase of 17,672 cubic yards of material over the previous year, about 12 1-2 per cent. Some explanation of the tremendous increase in the yardage may be found in the fact that this was one of the coldest winters in many years. The average citizen probably realizes this fact when he looks over his coal bills. It should also be noted that notwithstanding the fact that the wages of the laborers in this division were increased 12 1-2 per cent from September 18, 1911, and the eight-hour law strictly enforced, we have been able to keep the cost per cubic yard at exactly what it was last year.

Up to the present year the problem of finding dumping places for all this material has taken care of itself. Originally the greater part of the land in the eastern and southern parts of the city were swamps. As years went by and the city expanded, these swampy areas became necessary for building lots and filling of all kinds was deposited upon them. The filling of these lands has been going on steadily for the past fifty years, and with the construction of the river front as a parkway the water no longer overflows onto surrounding land. Land that fifteen years ago was practically valueless is rapidly being filled and built upon. Therefore, the Ashes Division finds itself being driven farther back from these sections each year until at the present time we are facing the task of hauling all the material to the northern end of the city. Some provision must be made for the future of this work during the present fiscal year.

Consequent with the problem of obtaining permanent dumping sites comes that of the economical transportation of the material. The present method by horses will be still more expensive when the hauls are longer. The motor truck, which is being generally adopted by private concerns doing similar work, should be given a trial. Some investigation has been made during the year into this matter and a truck was observed actually engaged in this line of work. It is believed that greater efficiency and economy could be effected by adding one of these trucks to the equipment.

During the year a new incinerator has been constructed at the Raymond Street Yard. It is expected that it will be ready for operation about May 1, 1912, and a cut and description is presented elsewhere in this report. It is hoped that this will alleviate, to a large extent, the unpleasant conditions surrounding the dumps in that vicinity.

There is great need of at least two more of the Shadbolt carts owing to the increasing amount of material. The volume of material has become so great that in the winter season practically the entire teaming force of the department is required to handle it, thus handicapping the other business. We must have at least ten new horses before next winter for this division.

INCINERATOR

Appropriation		$4,400 00
Payroll	$3,930 86	
Furnace, engine and boiler supplies	51 62	
Additions and repairs	287 25	
Hardware, tools, etc.	36 36	
Sundries	13 90	
		4,319 99
		$80 01
Transferred to Street Cleaning		80 00
Balance		$ 01

INCINERATOR

The incinerator has been run steadily throughout the year with the exception of a few days during repairs. The Collection of Ashes Division has delivered 4,889 loads of material there, amounting to 23,754 cubic yards, and in addition there were 2,513 loads brought in by outside teams. There is no doubt but what we are burning up large quantities of material which has a market value. When the new incinerator at Raymond Street is placed in operation it will be possible to sort out of the great quantity of wastes gathered much of value.

The greater part of this is paper which could be disposed of to certain manufacturers who use it to make wrapping paper. Every bale of this waste paper utilized in this way means just so much less spruce pulp wood and aids, in a small manner, of course, the conservation of our rapidly disappearing forests. The subject has been given much careful thought and study during the year, and as soon as the new incinerator is running should be settled so that the city will derive a benefit in the form of revenue from the incinerators instead of maintaining an expense.

STREET CLEANING AND SNOW REMOVAL

Appropriation		$45,500 00
Additional appropriation		2,000 00
Transferred from sundry accounts		1,462 63
Transferred by auditor		150 00
		$49,112 63
Payroll, general	$15,101 93	
Payroll, section men	17,836 45	
Teaming	6,817 50	
Hay	609 65	
Grain	1,018 20	
Straw	106 52	
Hardware, tools, etc.	619 34	
Harnesses, repairs, etc.	64 52	
Refilling machine sweeper brooms	156 00	
Machine sweeper repairs	17 06	
New equipment	75 75	
Sundries	50	
	$42,423 42	
Snow removal expense	6,689 21	
		$49,112 63

SNOW REMOVAL

Payroll, general	$2,746 08
Payroll, schoolhouse work	454 59
Payroll, section men	2,903 01
Teaming	21 00
Hay	93 17
Grain	155 70
Hardware, tools, etc.	82 90
Salt	14 25
Gravel	28 51
New equipment	190 00
	$6,689 21

STREET CLEANING AND SNOW REMOVAL

It will be seen from the above figures that about ninety per cent of the amount expended was for payrolls for men and teams. The regular spring and fall cleaning was performed during the year. This division of the department is also affected by the fact that there are fewer places for dumping the material than formerly and consequently the expense of the work has increased. For the past few years the amount appropriated for this purpose has included the removal of snow. Considering the fact that the fiscal year ends March 31 the department has found it extremely difficult to estimate the amount required to care for the snow and a severe winter usually leaves the appropriation exhausted by the first of February. It is recommended that a separate appropriation be made for Snow Removal the coming year.

MAINTENANCE—GENERAL

Appropriation		$77,047 00
Transferred for board of horses		648 00
Additional appropriation		4,000 00
Additional appropriation		500 00
Transferred from "Horses"		775 00
		$82,970 00
Payroll, fixed charges	$26,430 24	
Payroll, street work	23,847 44	
Teaming	2,031 75	
Hay	2,082 72	
Grain	2,157 98	
Straw	144 37	
Hardware, tools, etc.	713 33	
Harnesses, repairs, etc.	739 82	
Lumber	409 20	
Horseshoeing stock and tools	371 86	
Steam rollers, repairs and supplies	695 58	
Stone crushers, repairs and supplies	174 66	
Field stone	175 71	
Crushed stone	9,181 77	
Gravel	307 57	
Fuel	1,452 61	
Street signs	30 25	
Lighting	571 29	
Telephones and office supplies	932 32	
Additions and repairs, yards and stables	285 07	
New equipment	3,312 33	
Carriage and wagon repairs	254 09	
Painter's supplies	618 45	
Stable supplies	596 95	
Special road treatment	3,800 49	
Cement	562 34	
Vitrified bricks	944 00	
Sundries	145 56	
		82,969 75
Balance		$ 25

MAINTENANCE—GENERAL

The fixed charges of this appropriation were greatly increased the past year on account of the passage of the eight-hour law. Previous to its passage, all laborers and teamsters received twenty-five cents per hour; the teamsters working nine hours from seven a. m. to five p. m., and the laborers the usual eight hours. The extra hour for teamsters in the morning was allowed to clean and harness their horses. As the act allowed a total of forty-eight hours in any one week in cases where the Saturday half-holiday was given, the teamsters were allowed to work eight and two-thirds hours every day except Saturday, when they worked four and two-thirds hours, making a total of forty-eight hours up to Saturday at noon. They reported at seven-twenty a. m. Under this arrangement the same number of trips was accomplished and the usual schedule of the department was not disturbed during the busy season. The teamsters were not reduced in pay and received $2.25 for the day and were paid for fifty-two hours work, being allowed the four hours for the half holiday. However, when the half-holiday period was ended, it became necessary to limit the number of hours worked by teamsters to eight per day. Then two extra stablemen were placed in the stables from midnight to eight a. m. Their duty is to clean and harness a given number of horses so that the teamster reporting at eight o'clock finds his horses ready to hitch into his team. This additional expense commenced about the first of October, 1911.

When the act first passed there were five stablemen in each stable, three on days and two on nights, who worked seven days a week. An extra man had to be added in each stable and an arrangement of shifts made, whereby each man now works only six days in any one week. This additional expense has been necessary since June 1, 1911. On September 18, 1911, the pay of all laborers in the department was increased from $2.00 to $2.25 per day.

The macadam work in the department demanded a new steam roller, and accordingly the old Harrisburg Roller which had been in service 22 years and the Aveling and Porter roller, 24 years, which were both condemned, were traded with a cash consideration for a new fifteen-ton Buffalo Roller of the latest pattern. It has given first-class service during the past season.

The vitrified brick paving on Massachusetts Avenue, below the Railroad Crossing, and that on Prospect Street has been liberally patched during the past summer and many of the worst holes have been filled. A total of 1,351 square yards was relaid. Prospect Street is still in need of considerable patching the coming year.

The sheds and stables at Hampshire Street Yard will require a larger amount of repairs this year, as many things have been put off from year to year in the past that will permit of no further delay.

The condition of many of our older macadam streets has been the cause of much comment and it will be the policy of the department to resurface as many of these as is possible with the funds provided. Experience has proved the fact that water-bound macadam on many of the principal streets is not economical as the destroying action of the thousands of swiftly-moving automobiles quickly disintegrates these surfaces. Therefore, it is our intention the coming year to substitute to a larger extent than ever before tar or oil-bound macadam surfaces. The initial expense is comparatively small and its economy is proven in increased life of the surface and reduced maintenance charges. Experiments have been conducted to ascertain the number and weights of vehicles passing over some of the principal automobile thoroughfares upon which tar bound macadam has been laid, and the results show that it is little wonder that wear shows plainly on them even shortly after completion.

On Harvard Street, between Prospect and Columbia Streets, on December 22, 1911, between the hours of seven a. m. and seven p. m., there were 2,185 vehicles passed along, of which number 1,395 were automobiles of various kinds. The estimated gross tonnage was 5,074 tons. On Magazine Street, at Lawrence Street, December 26, 1911, in the same period there were 597 vehicles, of which 235 were automobiles. The gross tonnage was 1,124 tons.

The accompanying table shows the increased square yardage of this class of work over the previous year to be 13,599 square yards.

An adding machine has been added to the office equipment, which was needed very badly, especially in making up the annual street watering assessment. The time records of the department have been remodeled and the new system has resulted in a saving of labor; the books being written only once a month instead of once a week as formerly.

TARVIA "X" RESURFACING

	Labor	Teaming	Steam Roller	Crushed Stone	Tarvia	Total	Square Yards
Brattle, between Hawthorne and Sparks............	$275 63	$541 25	$136 50	$1.010 00	$884 90	$2,848 28	4,958
Grant, between Banks and DeWolfe.................	78 75	190 50	56 00	245 00	232 50	802 75	1,332
Hancock, between Harvard and Broadway..........	123 50	81 50	35 00	117 11	139 50	496 61	1,111
Harvard, between Prospect and Columbia...........	480 00	440 00	126 00	533 50	400 90	1,980 40	3,500
Mass. Av., between Vernon and Putnam Sq. s. s.....	236 44	55 04	56 00	320 00	253 97	921 45	1,989
Mass. Ave., between City Hall abd. Trowbridge n...	444 25	363 00	143 50	517 50	434 63	1,902 88	5,608
Mt. Auburn, between Brattle Sq. and Putnam Sq...	650 00	1,331 00	420 00	1,435 00	1,572 40	5,408 40	9,900
Norfolk, between Mass. Av. and Harvard St........	155 25	112 00	73 50	288 75	211 90	841 40	2,655
Saville, between Appleton and Walden..............	40 25	121 50	21 00	187 75	87 42	457 92	[illegible]
Sixth, between Cambridge and Thorndike..........	152 75	111 00	31 50	190 00	163 91	649 16	1,340
Upland Rd., between Raymond and Mass. Av......	273 75	587 25	196 00	1,046 25	726 14	2,829 39	9,370
Willow, between Cambridge and York..............	201 75	148 50	77 00	364 25	234 82	1,026 32	2,198
	$3,112 32	$4,082 54	$1,372 00	$6,255 11	$5,342 99	$20,164 96	45,114

MACADAM RESURFACING—DISTRICT ONE

	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Amherst, between Carleton and Hayward............	$81 00	$138 00	$42 00	$220 00	$10 05	$491 05	1,322
Bristol, between Hampshire and Webster Av........	22 50	33 50	14 00	52 50	....	122 50	364
Bristol, between Hampshire and Market............	16 00	30 00	14 00	20 00	50 00	130 00	417
Franklin, between Pearl and Brookline............	41 00	39 50	21 00	82 50	117 00	301 00	939
Gardner, between Prospect and Tremont............	12 50	6 00	14 00	10 00	30 00	72 50	435
Green, between Pleasant and Western Av...........	54 50	51 63	17 50	93 75	4 00	221 38	630
Hampshire, between Inman Sq. and Somerville line	8 00	6 00	7 00	......	43 50	64 50	43
Hayward, between Main and Amherst..............	119 00	163 00	35 00	266 25	18 76	702 01	1,162
Lansdowne, between Green and Franklin...........	48 00	18 00	28 00	58 75	244 50	397 25	1,113
Lincoln, between Elm and Willow.................	27 00	30 00	49 00	30 00	166 50	302 50	1,732
Union, between Lincoln and Market...............	85 50	55 00	35 00	85 00	67 50	328 00	1,545
	$515 00	$570 63	$276 50	$1,018 75	$751 81	$3,132 69	10,091

MACADAM RESURFACING—DISTRICT TWO

	Labor	Teaming	Steam Roller	Crushed Stone	Gravel	Total	Square Yards
Cambridge, between Mass. Av. and Peabody........	$12 38	$12 00	$14 00	$7 50	$4 02	$49 90	1,400
Channing, between Mt. Auburn and Brattle........	188 75	662 00	70 00	665 30	56 00	1,642 05	2,700
Coolidge Av., between Mt. Auburn and Cemetery Gate	114 50	7 00	7 00	21 25	832 50	982 25	7,584
Donnell, between Concord Av. and Garden..........	73 75	145 25	66 50	246 25	2 00	533 75	1,360
Fair Oaks, between Cameron and Camp......	56 00	93 75	59 50	181 93	......	391 18	697
Flagg, between Banks and Parkway...............	22 75	16 75	7 00	12 50	195 00	254 00	864
Huron Av., between Appleton and Fayerweather....	110 00	277 50	105 00	347 50	34 00	874 00	2,346
McNamee Sq.	63 00	75 50	14 00	213 06	76 00	441 56	935
Montgomery, between Dudley and Rindge Av.......	94 50	185 50	84 00	412 50	......	776 50	2,147
Mt. Pleasant, Upland Rd., southerly................	11 88	34 50	7 00	52 50	......	105 88	200
Rindgefield, between Rindge Av. and Hollis........	56 75	100 50	28 00	190 00	6 00	381 25	875
Sherman, between Walden and Bolton................	117 75	333 50	84 00	435 00	46 00	1,016 25	2,683
Washburn Av., between Mass. Av. and Somerville line	404 50	198 50	56 00	295 12	......	954 12	2,093
	$1,326 51	$2,142 25	$602 00	$3,080 41	$1,251 52	$8,402 69	25,884

STREET WATERING

Appropriation		$37,285 00
Payroll, general	$686 40	
Payroll, clerical	65 50	
Salary of foreman	1,200 00	
Sprinkling payroll	28,426 90	
Hay	55 77	
Grain	87 16	
Harnesses, repairs, etc.	71 65	
Watering carts, renewals and repairs	334 56	
Standpipe repairs	199 26	
Special road treatment	6,134 79	
Teaming	18 00	
Sundries	5 00	
		37,284 99
Balance		$ 01

The past summer, according to the weather records, was one of the driest and hottest ever recorded. However, the complaints about the service were comparatively few. This was undoubtedly due to the larger area oiled than ever before. The square yardage treated is shown in the following table but the unit costs do not necessarily indicate the relative values of the materials used.

DUST TREATMENT, 1911

Kind of Treatment	No.of gallons used	No. of square yards	Average No. of gallons per square yard	Cost of oil per gallon	Cost of application	Average cost per square yard of treatment
Texas Oil.............	8,052	31,378	.256	$ .044	.0008	$ .0122
Dustoline..............	8,232	47,683	.173	.065	.0008	.0122*
Indian Asphalt Oil....	8,278	30,251	.273	.0475	.0011	.0136
Tasscoil...............	12,400	86,922	.142	.065	.0004	.0097
Standard Oil—30.......	....	416,928	......	......	......	.012†

*Including demurrage.
†Applied by contract.

The Texas Oil was applied on streets in the western end of the city, and spread from one of our own carts. It gave the same satisfaction as the two previous years. It was applied about the middle of April and one treatment was all that was required. Only a few of the heavier trafficked streets needed watering and those late in the fall.

One car of Dustoline was applied on several of the residential streets in East Cambridge. The results obtained were very gratifying especially during the extreme hot weather which followed immediately after as water would not have remained on the streets a half hour at a time.

One car of Indian Asphalt Oil was applied on several of the streets in Ward Eleven. This was a much heavier oil than any we had used before and was applied from a sprayer wagon borrowed for the purpose. The streets treated with this oil were undoubtedly benefited on account of having their surfaces bound in with this treatment as well as the dust laid.

One car of Tasscoil was applied to several of the residential streets in various parts of the city. This is a clear, light-colored oil and spreads much thinner than any of the others used. Naturally, the cost per yard is smaller. It was applied from an ordinary watering cart. Several trial cart loads were applied early in May and the car was put on late in August. The streets so treated remained in good condition the rest of the season.

An agreement was entered into with the Standard Oil Company to treat a number of streets in various parts of the city with their Number Three Oil. The cost was by the yard at $.012. The oil was applied by their automobile pressure sprayer. The first streets were treated in June and the work was continued at intervals until late in August. The larger number of streets received but one treatment, while others, notably main automobile thoroughfares, were given a second treatment about the middle of the season. The experiment was made in June of oiling the granite block paving on Massachusetts Avenue, from Inman Street to Lafayette Square. All surface dirt was carefully swept off and the application made by this machine at night. The results obtained were fairly satisfactory, but after two treatments the plan was given up as the heavy teaming and the poor condition of the road surface did not warrant its continuance. One advantage with this method is the fact that the material is applied evenly and is penetrated quickly into the surface of the road.

The experience of the past few years has proved conclusively the value of oils as dust preventatives. The public were at first inclined to complain of the inconvenience caused by their application, but now realize that the inconvenience is only temporary and that the ultimate benefit far outweighs it. It is planned to extend the oiling operation to a larger area than ever the coming season.

The following streets were treated with the "B" grade of Tarvia. They are mostly main thoroughfares and have been built with the "X" grade of Tarvia in previous years. This treatment not only preserves the surfaces of the road from ravelling but renders the street dustless to a large extent. It has been found to be the most economical way to care for tar-bound macadam; the cost being about two and three-quarters cents per square yard.

COLUMBIA STREET, from Harvard street to Main street.
HANCOCK STREET, from Harvard street to Broadway.
HARVARD STREET, from Windsor street to Quincy street.
MAGAZINE STREET, entire.
MASSACHUSETTS AVENUE, from Inman street to Trowbridge street.
NORFOLK STREET, from Harvard street to Austin street.
SIXTH STREET, from Cambridge street to Thorndike street.
BRATTLE STREET, from Sparks street to Elmwood avenue.

HORSES

Appropriation	$2,000 00
Horses	1,225 00
Balance	$775 00

The past year has been an unfortunate one in the department as regards horses. We had at the beginning of the year 72 horses in all. Of this number, seven died, others were disposed of in trade for new ones, so that the actual number in the department now is 63. Since April 1, 1912, another one has died, reducing the number to 62.

The need of at least ten additional horses is one of the most urgent matters in the department especially in the Collection of Ashes Division. I shall recommend an appropriation of at least $5,000 for this purpose the coming year.

M'NAMEE SQUARE

Appropriation		$400 00
Payroll	$120 00	
Grain	23 20	
Gravel	30 28	
Crushed stone	213 06	
		386 54
Balance, transferred to Street Cleaning....		$13 46

The above amount was appropriated from the Reserve Fund and was used in removing the small raised area that was situated at the junction of DeWolf Street, Riverview Avenue and Cowperthwaite Street. It had been laid out originally as a part of the River Parkway and was enclosed with edgestones. The whole area was reduced to the grade of the surrounding streets and a macadam surface constructed in its place. The square has been named McNamee Square after a former Mayor.

WASHBURN AVENUE

Appropriation		$1,400 00
Payroll	$544 00	
Teaming	24 00	
Grain	34 80	
Gravel	28 88	
Crushed stone	222 68	
Fieldstone	99 77	
		954 13
Balance, transferred to Street Cleaning		$445 87

This street has been accepted and built to meet a strong demand from that section. The amount expended was appropriated from the Reserve Fund as funds were lacking elsewhere.

However, edgestones and gutter were put in the entire length out of the Edgestones and Sidewalks appropriation so that the amount expended as shown above represents the sub-grading and macadamizing only. The improvement was badly needed and is greatly appreciated by the citizens in that vicinity and will doubtless return its cost in a short time in added real estate values.

Owing to advantageous conditions we were able to complete the job well within the estimate and the balance was transferred to the Street Cleaning account.

WIDENING MOUNT AUBURN STREET AT R. R. BRIDGE

Appropriation		$600 00
Payroll	$390 40	
Teaming	109 50	
		499 90
Balance, transferred to Street Cleaning		$100 10

The matter of adjusting the boundary line between Cambridge and Watertown was settled during the year and the necessary land was granted by the Mount Auburn Cemetery Corporation. After the fence was moved back it was decided to pave the area left with small blocks on hand in the Raymond Street Yard, thus saving the cost of putting in macadam surface. The amount was appropriated out of the Reserve Fund and the balance saved by paving was applied to the Street Cleaning account.

MAINTENANCE—SALARIES

Appropriation		$7,332 00
Salary of Superintendent	$2,500 00	
Salary of Chief Clerk	1,399 98	
Salary of Office Clerks	1,590 00	
Salary of Yard Clerks	1,751 25	
		7,241 23
Balance transferred to Street Cleaning		$90 77

REPAIRING AND REBUILDING STREETS, ACCOUNT SUBWAY

Amount received from the Boston Elevated Ry Co.			$8,427 50

MOUNT AUBURN STREET

Payroll	$1,554 12		
Teaming	90 00		
Hay	93 73		
Grain	47 70		
Hardware, tools, etc.	5 47		
Crushed stone	1,443 76		
Fuel	16 04		
Tarvia	1,095 76		
		$4,346 58	

MASSACHUSETTS AVENUE

Payroll	$929 73		
Teaming	384 00		
Grain	10 60		
Crushed stone	958 76		
Fuel	16 81		
Tarvia	519 59		
		2,819 49	
			7,166 07
Balance, transferred to Boylston street			$1,261 43

The above amount represents the sum of several amounts paid to the city by the Boston Elevated Railway Company as the estimated costs of placing Mount Auburn Street, from Putnam Avenue to Brattle Square, Boylston Street, from Harvard Square to Eliot Street and Massachusetts Avenue, from Inman Street to Putnam Square into proper condition. There were temporary tracks through the first two streets which were removed by the company and the payment of Massachusetts Avenue compensated for the wearing out of the street by the heavy trucking co-incident with the subway work at Bay Street. The balance of the money was applied to the construction of Boylston Street with bitulithic pavement.

Tarviated macadam streets were built on both Massachusetts Avenue and Mount Auburn Street. The average cost per square yard was about $.54. With proper maintenance it is believed that these surfaces will last until permanent pavement can be laid upon them.

EDGESTONES AND SIDEWALKS

Appropriation		$25,000 21
Payroll	$10,892 84	
Teaming	1,754 50	
Hay	120 75	
Grain	180 80	
Hardware, tools, etc.	218 65	
Bricks	5,127 81	
Gutter stone	114 50	
Gravel	928 98	
New art stone sidewalks	7 60	
Rebates, art stone sidewalks	984 01	
Lighting	180 75	
Sundries	7 00	
		$24,999 93
		$ 28

Owing to the fact that the city was able to obtain edgestones cheaper than at any time in the past fifteen years and bricks almost a dollar per thousand cheaper than the previous year, the demand for edgestone and sidewalk work exceeded the financial ability of the department to handle it. Consequently there is a large number of uncompleted orders on the files at the present time. As the prices obtained for the coming year are also very low, it is expected that a large number of new petitions will be received.

In no year in the history of the department have so many square yards of granolithic sidewalk been laid as the past year. There have been an unusually large number of driveways constructed during the year, mainly for entrances to private garages.

BOYLSTON STREET

Appropriation		$8,000 00
Received from Boston Elevated Railway Company		1,300 00
		$9,300 00
Payroll	$1,826 79	
Teaming	750 75	
Hardware, tools, etc.	1 41	
Cement	513 82	
Concrete stone	497 70	
Bitulithic surface	5,491 46	
Fuel	15 77	
Lighting	16 10	
Sundries	15 20	
Rent of concrete mixer	171 00	
		9,300 00

BOYLSTON STREET.

The funds for building this street were at first to be provided by an issue of ten year bonds, but were later drawn from the tax levy, so that the entire job was paid for out of current funds. As the Boston Elevated Railway had just removed its temporary tracks there an amount of $1,300 was paid to the city and made a part of this appropriation as its share of the expense of construction.

A five-inch concrete base was laid, using a steam concrete mixer. On top of this the bitulithic surface was laid by Warren Brothers Company. There were 3,663.6 square yards in the job.

The construction of this section of the street with permanent pavement has satisfied a large number of business interests in the vicinity and has provided a clean, mudless roadway for the enormous crowds that use the street on their way to the games at the Stadium. The remainder of the street to the bridge has not been constructed, anticipating the construction of the new Stadium Bridge.

REBUILDING BROADWAY

Appropriation		$20,000 00
Payroll	$4,442 65	
Teaming	1,244 25	
Hay	24 00	
Grain	34 50	
Hardware, tools, etc.	73 29	
Gravel	259 89	
Cement	1,771 40	
Concrete stone	874 80	
Bitulithic surface	9,454 80	
Lighting	109 65	
Rent of concrete mixer	80 00	
		18,369 23
Balance		$1,630 77

The amount appropriated for the construction of this section of Broadway was raised by a ten-year loan. The work was commenced where the older pavement was left off the previous year on the north side from Ellsworth Avenue and extended to Prospect Street and on the south side from Hancock Street to Prospect Street.

A five-inch concrete base was constructed with city labor. The concrete was practically all board-mixed, using screened gravel stone. A machine mixer was tried for a short time but was not economical. The cost per yard for concrete mixed by hand was about seventy cents per square yard. On top of this base the bithulithic surface was applied by Warren Brothers Company. There were 6,303.2 square yards in the entire job. The street is now complete with this class of pavement from Cambridge Street to Prospect and should be completed to Windsor the coming year.

MOUNT AUBURN STREET, SPARKS STREET TO COOLIDGE AVENUE

Appropriation		$30,000 00
Payroll	$7,031 41	
Teaming	2,580 75	
Hay	32 29	
Grain	14 50	
Hardware, tools, etc.	186 26	
Gravel	449 62	
Cement	1,371 38	
Concrete stone	1,530 96	
Bitulithic surface	14,487 75	
Fuel	40 63	
Lighting	153 15	
		27,879 19
Balance		$2,120 81

MOUNT AUBURN STREET

This street has been constructed with bitulithic pavement on a concrete base from where the work was left in 1909 at Sparks Street and was completed to the east side of Coolidge Avenue.

The method of construction was identical with that on Broadway. The roadway on this street is rather narrow and with two car tracks makes the trafficked space much worn. There is a great deal of traffic over the street and the permanent pavement was badly needed. This now completes the street from Brattle Square to Coolidge Avenue with this type of pavement, and it is hoped that it may be completed the coming year to the Railroad Bridge.

REBUILDING PUTNAM AVENUE, PROSPECT STREET AND MASSACHUSETTS AVENUE

Balance from 1910 appropriation		$5,475 47
Additional appropriation		5,000 00

PUTNAM AVENUE.

Payroll	$2,392 02	
Teaming	881 63	
Grain	26 50	
Hardware, tools, etc	60 40	
Gravel	197 14	
Cement	574 06	
Pitch	118 90	
Vitrified blocks	3,652 30	
Concrete stone	667 70	
Sundries	7 50	
	$8,578 15	

MASSACHUSETTS AVENUE.

Tarvia	191 40	
	$8,769 55	$8,769 55
		$1,705 92

The balance of the appropriation for building Putnam Avenue with vitrified brick pavement from Mount Auburn Street to River Street was increased by an additional $5,000 in order to complete the job from where we left off the previous year. The street has been constructed with the Mack block now to River Street, thus completing a through roadway with this pavement to Brookline Street. The five-inch concrete base was constructed with city labor as well as the pavement itself and the whole street presents a pleasing appearance.

The improvement was greatly needed as the surface of the old street was badly worn and very muddy in wet weather.

The amount expended on Massachusetts Avenue was for Tarvia treatment.

CONSTRUCTION OF ERIE STREET

Appropriation, balance from 1910		$1,150 38
Payroll	$369 09	
Teaming	135 00	
Gravel and freight	32 95	
Granite blocks	613 34	
		1,150 38

This amount was left from the construction of Albany and Erie Streets the previous year and was used in continuing the granite paving to a point near the corner of Waverly Street. The same Quincy granite block was used and laid on a gravel base.

REBUILDING MASSACHUSETTS AVENUE, BLAKE STREET TO ALEWIFE BROOK

Amount reappropriated			$414 97
Payroll	$119 75		
Tarvia	282 42		
		$402 17	

HADLEY STREET

Edgestone	8 64	
		410 81
Balance		$4 16

The above amount was an unexpended balance left from the previous year and was used in completing the Tarvia work on this section of Massachusetts Avenue. The amount on Hadley Street was for an unpaid edgestone bill.

COMMERCIAL AVENUE BRIDGE

Appropriation, balance from 1908		$2,107 50
Rapairs to motors	$458 99	
Repairs to bridge	143 72	
Sundries	29 46	
		632 17
Balance		$1,475 33

This amount was expended for repairs necessary to the machinery of the new Commercial Avenue Bridge in order to place it in operation in January. This expense was caused by the stripping of the copper parts of the switchboard and motors by thieves two years ago.

COMMERCIAL AVENUE

Appropriation		$45,000 00
Payroll	$12,211 63	
Teaming	3,136 50	
Hay	24 00	
Grain	111 00	
Hardware, tools, etc	351 35	
Gravel	1,037 56	
Cement	3,070 17	
Granite blocks	18,794 56	
Concrete stone	1,659 74	
Crushed stone	378 14	
Edgestone	1,934 77	
Lighting	78 87	
Sundries	23 25	
Sewer work	465 48	
Bridge repairs	34 15	
New switchboard	255 00	
		43,566 77
Balance		$1,433 23

The construction of this street had been under consideration for several years past, but no definite action was taken until this year on account of the sub-grade of the street which is composed of miscellaneous filling on marshy land. It was thought this year that no further settling would take place and accordingly the street has been constructed with permanent pavement.

Edgestones have been set on both sides the entire length and a number of catch basins built to drain the street. Considerable excavation and filling was necessary to bring the street to grade. A five-inch concrete base was first constructed which was mixed and spread by hand with city labor. On top of this a two-inch cushion of sand was placed and the five-inch Rockport granite block set upon it. These blocks were paid for at the rate of twenty-six to the square yard. After being set and rammed, pea stone was swept into the interstices and the whole thoroughly grouted with Portland cement.

The funds for this street were provided by an issue of twenty-year bonds. In addition to the construction of the street, there was a new switchboard installed in the draw house of the bridge to take the place of the one demolished by vandals and other repairs were made.

This street provides a good, smooth roadway for teaming from the manufacturing district to the freight yards and is being quite generally used. A cut showing the finished job is presented herewith.

UNDERPASS AT CAMBRIDGE BRIDGE

Amount of appropriation		$10,238 94
Payroll	$3,399 83	
Teaming	579 75	
Hay	24 00	
Grain	34 80	
Hardware, tools, etc.	117 75	
Gravel	240 18	
Cement	620 99	
Granite blocks	4,169 13	
Concrete stone	414 18	
Crushed stone	10 43	
Edgestone	460 28	
Fuel	26 39	
Lighting	33 60	
Sewer Work	107 63	
		10,238 94

When the tracks for the new subway incline were extended from the Cambridge Bridge into the subway it became necessary to close the cross-over at First Street to the south roadway of the bridge.

When the bridge was built an underpass was left so that teams wishing to cross onto the south side of the bridge might go underneath and also continue along the park road without going around to Kendall Square. The street, which is a continuation of First Street, was paved with five-inch Rockport granite blocks on a five-inch concrete base. All work was done by city labor. Edgestones have been set and drainage facilities provided. The character of the pavement and costs of the work were practically the same as that on Commercial Avenue.

INCINERATOR AT RAYMOND STREET YARD

Appropriation		$5,500 00
Payroll	$639 20	
Contract for pier	75 00	
Contract for building and furnace	2,250 00	
Advertising	8 43	
		2,972 63
		$2,527 37
Balance due on contract payable in June, 1912		2,525 00
Balance		$2 37

INCINERATOR AT RAYMOND STREET

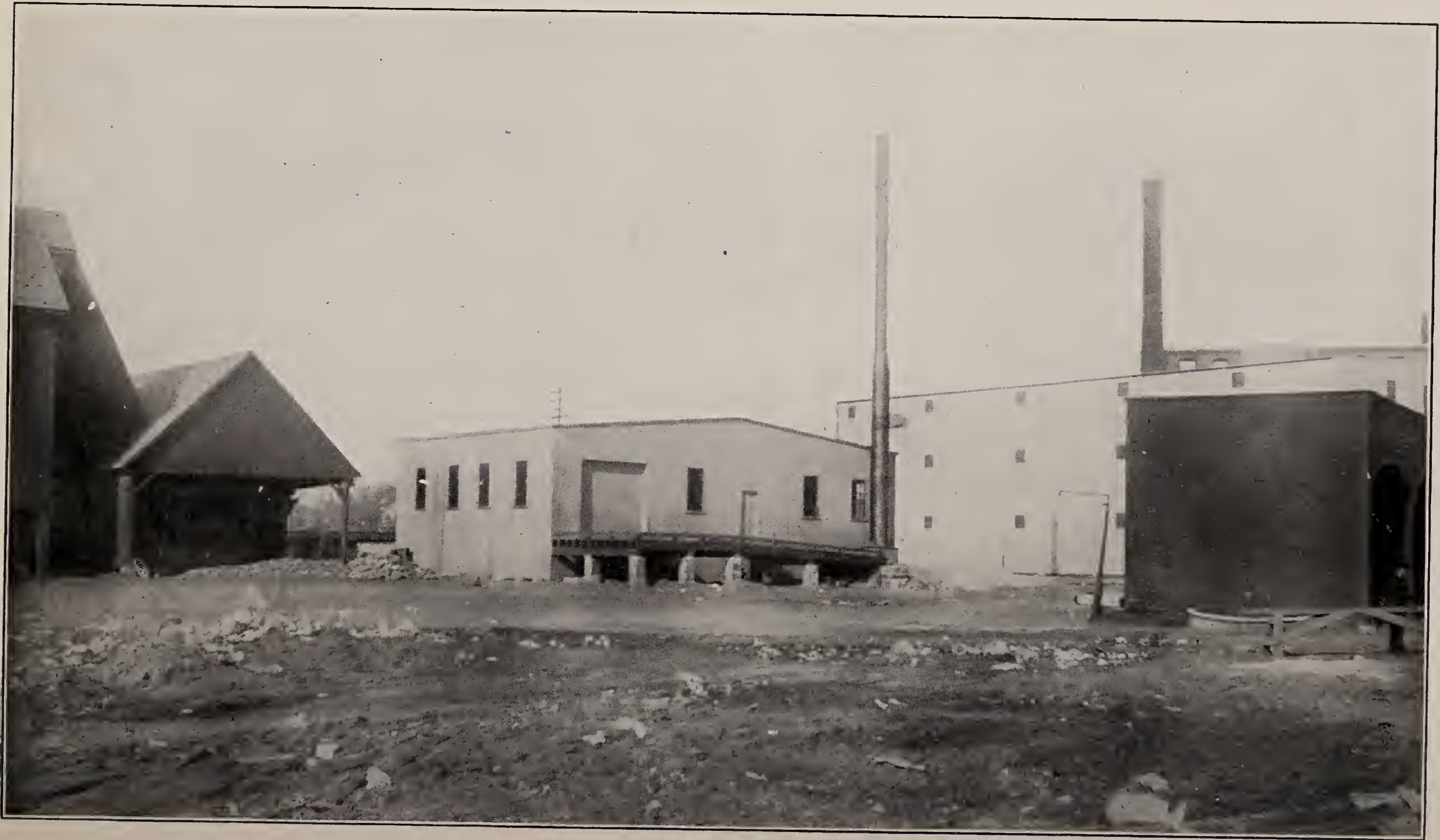
In accordance with a recommendation made in earlier reports and the inaugural address of this year, the sum of $5,500 was provided by an issue of ten-year bonds and the construction of an incinerator of an inexpensive pattern was begun during the year. The work of excavating, grading, foundation retaining walls and piers and the concrete floor for the ash pit was completed by the department by city labor. The entire building and furnace were constructed by the Jarvis Engineering Company of Boston, who were the lowest bidders on the contract. The building itself is sixty feet long and forty feet wide and about fifteen feet high. It is a frame structure covered by galvanized steel corrugated plates.

The furnace is about eighteen feet long, five feet wide and eight feet high and is lined with fire brick and covered with six inches of concrete on the top. It is divided inside into a main fire box, a combustion chamber and a secondary firebox. It is charged from a twenty-four inch hole in the top. The stock is made of three-sixteenth inch steel plates riveted together and is sixty feet high from the top of the furnace and is stayed with guy ropes.

The guarantee made by the contractor is that the furnace shall be capable of destroying not less than six tons of mixed combustible refuse and garbage in eight hours without creating a nuisance from gases, odors, or smoke from the chimney or furnace.

It is hoped that this incinerator will prove to be of great benefit to the residents of that section of the city in being able to consume the greater part of the light refuse that is now dumped at Raymond Street and burned in the open. Not only will the benefit of improved conditions be derived from it but it is planned to dispose of much of the marketable refuse, such as paper, metals, etc., at a profit, thereby helping to make the plant self-supporting.

The whole plant should be ready for operation about the first of May, 1912. A cut showing the building is shown herewith, and it will be noticed that it is constructed close to the railroad so that a track may be extended up to the platform at the rear and a freight car can be loaded therefrom.



INCINERATOR BUILDING, RAYMOND STREET

PAVEMENT STATISTICS

Pavements in the city may be classified as follows:—

To March 31, 1912.

Kind	Miles laid in 1911	Miles to date	Area laid in 1911 sq. yds.	Area to date sq. yds.
Granite Blocks	0.544	11.297	12,790	274,128
Vitrified Bricks	0.143	4.086	2,790	91,953
Hassam	....	0.840	....	22,329
Asphalt	....	0.169	....	5,315
Bitulithic	0.961	4.780	26,024	122,588
Tar Macadam	2.758	3.269	45,114	60,516
Macadam	0.306	79.148	4,120	1,103,953
Wood Block, Harvard Bridge		0.185		5,512
Granite Block, Camb. Bridge		0.161		4,044
Granite Block, Chas. River Dam		0.106		5,469

IN GENERAL

The year just passed has been one of the busiest in the history of the department. In point of appropriations, it was the largest. The amount of money placed to the credit of the department during the year was $423,637.13.

The question of the discontinuance of Amherst street and the subsequent acquisition of the surrounding land by the Institute of Technology was the most important subject presented to the Committee on Highways for years. There were several hearings by the Committee and the full Board upon this matter, and it was only after the most careful deliberation that the order was finally adopted as the results will be far-reaching in the future of the city.

Another important event in the industrial development of the city was the opening of Commercial avenue which will hasten the development of the manufacturing sites there.

The farm and gravel bank belonging to the city and situated at South Acton, and which has not been in use for the past five years, was visited by the Committee with the idea of disposing of it to private parties. It was not found advisable at this time, however.

The findings of the Cambridge Street Improvement Commission were made public during the year and form an interesting pamphlet. A comprehensive plan was evolved for the permanent pavement of many of our principal thoroughfares which will cover twenty years and is estimated to cost approximately $1,000,000.00.

RECOMMENDATIONS

The first and most important recommendation for the coming year is the repaving of Massachusetts avenue in those sections disturbed by the open cut of the subway. The section between Inman street and Lafayette square has caused considerable discussion as to the most desirable pavement, and it will be the aim of the department to lay such a pavement there as to satisfy the greater number of the interested parties. The section between Quincy square and Harvard square and Harvard square itself, is equally important, and the wishes of the majority, if possible, will be complied with in the replacing of these pavements. The matter of the amount to be paid by the Boston Elevated Railway Company as its share of the expense of these pavements will be taken up early in the year.

The purchase of at least one automobile truck for the use of the Ashes Division is recommended. It is believed that greater efficiency and economy can be effected by the use of one of these machines, especially on the longer hauls.

It is also recommended that suitable provision should be made the coming year for permanent dumping sites for the Ashes Division. This matter is reaching an acute stage and will require early action in order to have any places at all to deposit the materials collected.

Western avenue should be relaid the coming year, if possible. The present granite block pavement is very uneven, and is disagreeable to drive over, especially in wet weather. This street gets a great deal of heavy traffic from Brighton and Watertown.

First street also needs relaying, as the surface is badly rutted, and the street does not drain readily. There has been insistent demands on the part of many of the manufacturers on the street for some improvement here, and the attention of the City Council is called to the necessity of providing the necessary funds for this work.

Mount Auburn street should be completed from Coolidge avenue to the railroad bridge with the bitulithic pavement, as the present roadway in some places is very narrow and badly worn. This section would make a complete bitulithic street of over one mile and a half.

Broadway is recommended for completion with the bitulithic pavement to Windsor street, where the granite paving begins. This section would complete this street from its junction with Cambridge street with permanent pavement.

Massachusetts avenue, from Garden street to Waterhouse street, should be constructed with bitulithic pavement the coming year. This part of the avenue has been left for several years past waiting until the tracks entering the new subway were finally put in. As the work there has now been completed, the old macadam surface needs replacing with a more permanent pavement.

Cambridge street, from Massachusetts avenue to Peabody street, should be constructed with bitulithic pavement now that the tracks are finally constructed there. This would really be a continuation of the bitulithic pavement which would extend to Inman square.

Concord avenue, from Huron avenue to Walden street, is recommended for construction with the bitulithic pavement. This street is the main entrance to the fast developing University Park section.

Third street should be paved with first-class granite blocks from Charles street to Spring street.

State street is recommended for construction with granite block pavement on account of the heavy teaming through there.

Athenaeum street should also be paved with granite block. The manufacturing interests on both sides of this street are extremely anxious to have this street constructed the coming year.

Erie street, from Waverly street to Sidney street, should be constructed with granite blocks the coming year, as this section will make a complete granite block street from Sidney street through Albany to Massachusetts avenue.

In conclusion, I desire to acknowledge my indebtedness to his honor, the Mayor, for the constant, active interest he has taken in the department, and for his valuable advice and encouragement.

The Committee on Highways have had an especially busy year, and have been called upon to handle questions of momentous consequence to the city. I desire at this time to extend my hearty appreciation of their year's work.

I also wish to express my appreciation of the intelligent and highly efficient manner in which the work of the department has been performed by the various subordinate officials and to the employees who worked under them.

Respectfully submitted,

EDWARD W. QUINN,
Superintendent of Streets.

INVENTORY OF REAL AND PERSONAL PROPERTY

REAL ESTATE

Location	Buildings and Land	Erection of Buildings	Purchase of Land	Feet of Land	Valuation of Land	Valuation of Buildings
Raymond St....	City Yard and Stable, stable, sheds, scales, etc....	1897	1896	272,670	$27,000	$27,000
	Incinerator plant..............	1912	......	....	....	5,500
Hampshire St...	City Stable, sheds and stables, scales, including old police station	1885	......	72,661	30,000	16,000
E. S. Norfolk St..	Yard and pound............	......	......	34,650	10,400	....
River St........	Yard and wharf............	......	......	41,546	17,000	....
Acton, Mass.....	Land, gravel bank...........	......	1896	....	3,000	....
Main St.........	Land and incinerator plant..	1908	......	93,424	31,900	18,000
					$119,300	$66,500

Total valuation of real estate.. $185,800

PERSONAL PROPERTY.

63 horses	$12,600 00	
53 watering carts	13,000 00	
60 single and double carts	5,200 00	
90 sets harness	2,000 00	
3 bicycles	50 00	
4 steam rollers	11,000 00	
1 scarifier	450 00	
10 Shadbolt carts	3,300 00	
2 Watson carts	300 00	
674 feet straight edgestone	340 37	
50 feet circle edgestone	30 00	
37,500 granite paving blocks, seconds	935 50	
5,500 sidewalk bricks	64 24	
15,000 vitrified bricks	435 00	
50 feet granite flagging	35 00	
130 tons field stone	97 50	
20 tons crushed stone	21 80	
60 barrels of cement	91 20	
12 tons of coal	54 92	
Stone crushing plant, Raymond street	5,000 00	
Stone crushing plant, Hampshire street	5,000 00	
Furnace and boiler, incinerator	12,000 00	
Miscellaneous tools, road machines, machine brooms, scrapers, brooms, waste barrels, push carts, etc.	10,000 00	
Miscellaneous buggies, sleighs, pungs, plows, wagons, etc.	3,500 00	
Miscellaneous lumber, iron, grain, paints, leather and general hardware	1,500 00	
		$87,005 53
Total		$272,805 53

PERMITS

OPENING PERMITS

Boston Elevated Railway Company	60	
Boston & Maine Railroad Company	2	
Boston Consolidated Gas Company	3	
Cambridge Electric Light Company	104	
Cambridge Gas Light Company	596	
Metropolitan Water and Sewerage Board	1	
New England Tel. & Tel. Company	59	
Water Department	9	
Drain Layers	273	
Miscellaneous	16	
		1,123

OBSTRUCTION PERMITS

Dust removing wagons	194	
Tar kettle contractors	128	
Steam rollers passing through streets	4	
Miscellaneous	725	
		1,051
Moving buildings		2
Board walks		63

ARTIFICIAL STONE SIDEWALKS

Thomas Allen	3	
Armor Concrete Construction Company	1	
William F. Condon	5	
Thomas J. Hind, Inc.	1	
James F. O'Reilly	1	
Simpson Brothers' Corporation	11	
Warren Brothers' Company	9	
Frederick O. White	33	
		64
Selling goods on sidewalks		51
Grand total		2,354

The issuing of permits is an important feature of the office work. The preceding table shows in detail the number and kinds of permits issued.

REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES

To the Honorable, the City Council:—

Gentlemen:—In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report for the fiscal year ending March 31, 1912.

PRISON POINT BRIDGE

During the year the entire roadway of this bridge has been resheathed. This bridge has probably the greatest amount of teaming traffic of any of the Cambridge bridges and within the past three months this has increased further by the opening of the new Commercial Avenue Bridge. It would seem that it would need resheathing about twice a year in the future, and if a permanent pavement of some kind would be practical, I would recommend that it be laid on this bridge. The iron work of the bridge is in bad condition, and needs to be painted. The planking on the sidewalks will need attention during the year.

A new drawtender's house has been built at this bridge during the year at an expense of about $1,000.

CAMBRIDGE BRIDGE

This bridge continues to be in good condition, and outside of some painting this year and the repairing of some of the lamp posts will need no repairs.

HARVARD BRIDGE

This bridge was entirely repainted the past year. The work was done under contract by Martin A. Feeley; and the cost to the City of Cambridge was $3,300.00. The roadway, in spite of the patching, is still in bad condition and the further patching of this wood block, in my opinion, is a waste of money, and will serve no satisfactory end.

Some of the decking on this bridge is in bad condition, and makes the roadway dangerous for the passage of teams. I would recommend that the entire roadway be repaved and redecked and that all bad stringers be replaced with new ones. An order for $35,000 for this purpose has already been introduced into the City Council.

BROOKLINE STREET BRIDGE

This bridge has been resheathed during the year, and probably will need sheathing again this year. There is also some painting necessary.

RIVER STREET BRIDGE

Only the ordinary repairs have been made to this bridge during the past year, such as resheathing, etc. Some of the machinery of the bridge will need repairs the coming year, and new draw chains are to be installed at once.

WESTERN AVENUE BRIDGE

The usual planking was done on this bridge during the year and will last until some time this summer, when a new top deck will have to be laid. Owing to the fact that the Boston Elevated Railway Company have turned their larger cars over this bridge certain changes will have to be made in the draw, but this matter will be taken care of by the company itself.

BOYLSTON STREET BRIDGE

During the year considerable and extensive repairs have been made in order to keep this old bridge in passable condition. A special appropriation of $1,100.00 was expended for this purpose. New timbers were placed under it, and certain portions of the bridge were redecked and resheathed and the fences rebuilt.

If this bridge is to continue in use another year, it would seem that extensive repairs would have to be made to the leaves of the draw. It is to be hoped, however, that the new Stadium Bridge will be commenced at an early date, and that this bridge will be removed and a temporary structure built until the Stadium Bridge is completed.

During the past year valuable assistance has been given me by the Boston Commissioner, Mr. Frederick H. Fay, and the engineering department of the City of Boston, and I desire at this time to thank them for their kindly co-operation.

Respectfully submitted,

FRANCIS J. SMITH,
Bridge Commissioner.

BOSTON AND CAMBRIDGE BRIDGES.

Classification of expenditures by the City of Cambridge from April 1, 1911, to March 31, 1912, which is one-half of the cost of the care and maintenance of these bridges, the other half being paid by the City of Boston.

	Boylston Street	Brookline Street	Cambridge	Harvard	Prison Point	River Street	Western Avenue	Administration	Totals
Salaries....................	....	....	$1,528 66	$2,905 69	$2,943 05	$2,913 90	....	$950 00	$11,241 30
General Repairs...........	$15 75	$145 00	10 13	798 92	569 68	....	$132 54	....	1,672 02
Lumber....................	....	232 74	....	163 64	390 43	....	86 38	....	873 19
Hardware and Supplies...	8 88	4 50	52 05	64 22	69 98	19 01	3 46	....	222 10
Lighting..................	....	228 65	1,609 55	850 14	....	41 25	41 25	....	2,759 59
Cleaning and Sanding.....	....	....	89 38	618 66	....	....	....	....	719 29
Fuel......................	....	....	8 40	23 70	11 85	12 10	....	....	56 05
Iron Work................	....	....	29 30	72 21	15 29	2 00	....	....	118 80
Office Expenses...........	....	....	....	....	....	....	....	78 73	78 73
Inspection................	....	....	....	136 50	....	....	....	....	136 50
Travelling Expenses.......	....	....	....	....	....	....	....	45 00	45 00
Totals..............	$24 63	$610 89	$3,327 47	$5,633 68	$4,000 28	$2,988 26	$263 63	$1,073 73	$17,922 57

	Cambridge Street			Harvard			No. Harvard Street			Prison Point			Western Avenue		
	Draw Openings	Cargoes	Vessels	Draw Openings	Cargoes	Vessels	Draw Openings	Cargoes	Vessels	Draw Openings	Cargoes	Vessels	Draw Openings	Cargoes	Vessels
1911															
April....	10	3	15	38	13	61	10	3	15	24	8	38	10	3	15
May....	27	8	43	68	15	98	11	3	17	20	5	30	11	3	17
June....	36	13	62	68	20	105	12	4	22	22	5	37	12	5	22
July....	10	4	21	33	8	50	8	3	14	30	10	55	10	4	21
Aug....	2	—	3	28	6	40	2	—	3	26	6	42	2	—	3
Sept....	20	7	34	42	12	68	8	2	12	24	7	40	8	2	12
Oct.....	18	6	29	49	14	73	6	2	9	17	6	31	6	2	9
Nov.....	30	7	45	59	15	90	4	1	15	28	10	56	10	2	15
Dec....	22	7	35	65	17	102	10	2	16	21	4	37	4	1	6
1912															
Jan.....	—	—	—	4	1	6	—	—	—	22	6	34	—	—	—
Feb....	—	—	—	—	—	—	—	—	—	27	8	44	—	—	—
Mar....	—	—	—	—	—	—	—	—	—	29	8	54	—	—	—
Totals	175	55	287	454	114	693	71	20	113	290	83	498	73	22	120

REPORT OF CITY TREASURER

City of Cambridge, Mass.,
Office of the City Treasurer, April 1, 1912.

To the Honorable, the City Council:—

In the following pages I submit a detailed report of the receipts and expenditures of the public funds by the Treasury Department, during the year ending March 30, 1912, including an account of all bonded and temporary loans negotiated in said year, also a detailed account of official fees received, and reports on all trust funds in the care of the City Treasurer.

Very respectfully,
TIMOTHY W. GOOD,
City Treasurer.

City of Cambridge in Account Current from April 1, 1911, to

Dr.

To authorized payments charged to City accounts:—

Assessments:—	
Taxes, 1910—Abatements	$15 17
Taxes, 1911—Abatements	133 87
Moth Extermination:—	
Taxes, 1911—Abatements	12 79
Assessors' Department:—	
Salaries	12,345 63
General Expenses	1,812 13
Auditing Department:—	
Salaries	4,004 98
General Expenses	353 55
Board of Appeal	18 00
Boston Bridges:—	
Salaries and Labor	11,377 78
General Expenses	6,636 52
Repairing Boylston Street Bridge	988 09
Repairing Harvard Bridge	2,734 31
Celebrations:—	
Independence Day	1,198 81
Labor Day	400 00
Memorial Day	1,200 00
Cemetery Department:—	
Salaries	16,424 92
General Expenses	2,348 31
New Office Buildings, etc.	4,026 78
Trustees of Cemetery Fund	6,791 46
Deed Account	10 00
City Clerk's Department:—	
Salaries	7,416 21
General Expenses	1,904 83
Classified Index	349 62
City Council Expenses	7,115 26
City Messenger Department:—	
Salaries	1,767 51
General Expenses	310 17
Postage and Stationery	1,621 84
Civil Service Registration	331 20
Clerk of Committees Department:—	
Salaries	4,080 00
General Expenses	323 92
Amount carried forward	$98,053 66

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

By Receipts as follows:—	
Assessments:—	
Sewers	3,434 06
Sidewalks	7,879 39
Street Sprinkling:—	
Taxes, 1909	29 56
Taxes, 1910	1,604 02
Taxes, 1911	30,881 58
Moth Extermination:—	
Taxes, 1909	6 32
Taxes, 1910	130 81
Taxes, 1911	1,942 02
Cemetery Department:—	
Burials, etc.	11,113 63
Sales of Lots and Graves	11,574 75
Trustees of Cemetery Fund	7,439 96
Deed Account	10 00
City Clerk's Department	1,223 05
City Council Expenses	3 00
City Messenger's Department:—	
Postage and Stationery	1,809 14
Electrical Department	25 00
Fire Department	120 00
Health Department	7 253 16
Modified Milk	516 55
Interest	18,444 25
Sale of Public Land	1,500 00
Matured Bonds	3,000 00
Law Department	1,000 00
Libraries, Fines, etc.	898 66
Licenses	4,932 05
Dog Licenses	4,436 39
Amount carried forward	$121,207 35

City of Cambridge in Account Current from April 1, 1911, to

Dr.

Amount brought forward	$98,053 66
Damages to Persons and Personal Property	2,239 81
Election Expenses:—	
City Clerk	12,339 14
Polling Places	2,684 05
Registrars of Voters	4,509 56
Wire Account:—	
Salaries	10,694 50
General Expenses	3,281 00
Electrical Department:—	
Salaries	1,000 00
General Expenses	81,510 93
Lighting Massachusetts Avenue	455 33
Engineering Department:—	
Salaries	8,480 97
General Expenses	649 32
Assessors' Plans	106 76
Fire Department:—	
Salaries	118,485 91
General Expenses	22,750 84
Dahill Hoist	1,674 80
Signal Boxes	787 50
Health Department:—	
Salaries	14,691 14
General Expenses	10,385 24
Contagious Hospital—Construction	4 819 38
Administration Building	2,594 42
Diphtheria Hospital	8,235 15
Tuberculosis Camp	17,388 61
Inspector of Milk and Vinegar	2,323 01
Modified Milk	1,196 76
Industrial Commission	633 49
Inspection of Animals	856 61
Inspector of Buildings:—	
Salaries	6,754 37
General Expenses	1,285 33
Night Watchman	230 00
Interest	311,781 87
Interest on Water Loan	122,522 75
Land for Russell School	2,500 00
Matured Bond Account	3,000 00
Land Damages	17,454 05
Amount carried forward	$898,436 26

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

Amount brought forward	$121,207	35
Loans—Temporary	400,000	00
Sewer	10,000	00
Water	34,000	00
Street	125,000	00
Municipal	40,500	00
Cemetery	8,000	00
Playground	45.000	00
Park	13,200	00
Charles River Basin	60,000	00
Hospital	29.000	00
Separate System (Sewers)	20,000	00
Cambridge Bridge	20,000	00
Municipal Buildings	3,126	48
Overseers of the Poor:—		
City Home	612	41
Hospital	332	28
City Farm	4,286	59
Out-door Relief	3,267	47
House Offal	15,809	48
Park Department:—		
Construction	1.140	20
Maintenance	12	00
Moth Extermination	115	92
Cambridge Field, etc.	344	82
Rindge Field, etc.	58	76
Baths	1,127	34
Playground Commission	188	80
Police Department	1,191	02
Court Fines	3,392	12
Premium	1,129	62
School Department	5,571	45
Tuition, etc.	5.093	20
Schoolhouse Loan	2,500	00
Premium on Water Bonds	275	40
Sealer of Weights and Measures	809	26
Commissioners of Sinking Funds	286,000	00
State Aid	14,257	00
Amount carried forward	$1,276,548	97

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM APRIL 1, 1911, TO

Dr.

Amount brought forward	$898,436 26
Law Department:—	
Salaries	4,127 92
General Expenses	705 69
Libraries:—	
Central Libraries:—	
Salaries	13,493 70
General Expenses	9,825 17
East Cambridge Branch:—	
Salaries	1,217 61
General Expenses	1,483 79
North Cambridge Branch:—	
Salaries	1,621 45
General Expenses	1,701 77
Licenses (Refunds on Minor's Badges)	107 35
Loan—Temporary	400,000 00
Clay Lands	50,000 00
Sewer	15,000 00
Water	197,500 00
Municipal	36,000 00
Mayor's Department:—	
Salaries	5,799 98
General Expenses	508 86
Municipal Buildings:—	
Salaries	12,406 17
General Expenses	8,387 04
Municipal Buildings:—	
Fireproof Vaults—City Hall	2,341 23
Militia and Armories:—	
Troop C	1,363 98
Use of Range	1,205 04
Overseers of the Poor:—	
City Home:—	
Salaries	7,192 24
General Expenses	14,948 19
Hospital:—	
Salaries	1,007 00
General Expenses	772 95
City Farm:—	
Labor	3,576 68
Supplies	1,135 23
Out-door Relief:—	
Salaries	4,095 42
General Expenses	24,795 03
Amount carried forward	$1,720,755 75

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

Amount brought forward	$1,276,548 97
Street Department:—	
Incinerator	15 49
Maintenance and Repairs	1,276 76
Rebuilding:	
Account Subway	8,427 50
Sidewalk Repairs	1,631 28
Street Sprinkling	304 26
Taxes 1907—Polls	292 00
" 1907—Personal Estate	127 84
" 1908—Polls	224 00
" 1908—Personal Estate	98 49
" 1909—Polls	334 00
" 1909—Personal Estate	754 80
" 1909—Real Estate	1,814 40
" 1910—Polls	5,750 00
" 1910—Personal	8,878 54
" 1910—Real Estate	76,597 08
" 1911—Polls	30,504 00
" 1911—Personal	335,625 45
" 1911—Real Estate	1,686,370 03
Old Taxes	124 58
Tax Lien Account	276 63
Tax Account:—	
National Bank	18,566 60
Corporation	142,254 55
Street Railway	79,559 94
Treasury Department	3,750 00
Water Department:—	
Sewer Department:—	
Maintenance	225 60
Construction General	1,575 48
Hobbs Brook Conduit	90 00
Subway	13,666 76
Maintenance:—	
Rates	366,912 69
Amount carried forward	$4,062,577 28

City of Cambridge in Account Current from April 1, 1911, to

Dr.

Amount brought forward	$1,720,755 75
Overseers of the Poor—Continued.	
City Physician	2,000 00
House Offal:—	
Labor	32,253 48
General Expenses	9,675 44
Park Department:—	
Construction	12,318 46
Rindge Field	880 04
Riverside Boat Club	7,000 00
Delta	927 83
Floating Bath House	1,023 28
Granolithic Walks	1,651 60
Maintenance:—	
Salaries	2,565 46
General Account	1,091 60
Moth Extermination	6,997 03
Cambridge Field, etc.	5,595 32
Commons, Squares, etc.	4,366 92
Rindge Field, etc.	3,676 09
River Parkway	7,125 27
Longfellow Park	253 26
Removal of Dead Trees	4,999 69
Shade Trees	5,185 69
Curb on Pleasant Street	224 93
Baths	1,807 54
Playground Commission:—	
Salaries	3,082 78
General Expenses	1,841 43
Land for Playgrounds	41,343 68
Construction and Equipment	4,806 50
Police Department:—	
Salaries	171,973 44
General Expenses	7,078 79
School Department:—	
Salaries	466,301 93
Other School Committee Expenses	82,980 07
Webster Schoolhouse Addition	878 61
Thorndike Schoolhouse	66,877 12
New Wing—High and Latin	1,000 00
Scaler of Weights and Measures:—	
Salaries	3,200 00
General Expenses	355 66
Sewer Department—Construction General	14,515 26
Sewer Department:—	
Maintenance	22,956 63
Maintenance—Separate System	21,072 10
Amount carried forward	$2,742,638 68

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

Amount brought forward	$4,062,577 28
Amount carried forward	$4,062,577 28

Dr.

Amount brought forward	$2,742,638 68
Sinking Funds:—	
Brookline Bridge	333 33
Cambridge Bridge	11,943 75
Cambridge Bridge Special	616 00
Clay Lands	5,335 00
Commercial Avenue Bridge	666 67
General	128,492 38
Harvard Bridge	8,800 00
Hospital	4,537 50
Improved Sewerage	8,778 00
Metropolitan Park	1,012 00
Park	25,490 65
Separate System (Sewers)	4,884 00
Water	104,097 50
City of Cambridge, Acts of 1908	36,000 00
Playgrounds	1,100 00
Expenses of Administration	340 00
State Aid	26,745 91
Street Department:—	
Salaries	7,241 22
Construction:—	
Putnam Avenue	9,006 47
Widening Mt. Auburn Street	499 90
Albany Street	1.159 02
Broadway	18,369 23
Massachusetts Avenue	402 17
Mt. Auburn Street	27,879 19
Commercial Avenue	43,566 77
McNamee Square	386 54
Washburn Avenue	954 13
Incinerator—Raymond Street	2,222 63
Maintenance:—	
Bridges	7,663 71
Cleaning and Snow Removal	49,654 62
Collection of Ashes	53,291 34
Crossings	2,027 57
Edgestones and Sidewalks	25,280 36
Incinerator	4,319 99
Maintenance and Repairs	83,048 87
Sidewalk Repairs	8,174 79
Street Sprinkling	37,284 99
Cambridge Bridge	11,088 82
Horses	1,225 00
Motors—Sixth Street Bridge	499 86
Commercial Avenue Bridge	632 17
Rebuilding:	
Boylston Street	9,300 00
Account Subway	7,166 07
Taxes, 1908—Abatements	12 05
Taxes, 1909—Abatements	120 70
Taxes, 1910—Abatements	1,412 91
Amount carried forward	$3,525,702 46

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

Amount brought forward	$4,062,577 28
Amount carried forward	$4,062,577 28

City of Cambridge in Account Current from April 1, 1911, to

Dr.

Amount brought forward	$3,525,702 46
Taxes, 1911—Abatements	31,243 47
Tax Lien Account	367 71
Tax Account:—	
County	100,150 57
State	156,860 00
National Bank	4,305 81
Grade Crossing	2,240 00
Metropolitan Park	58,868 86
Metropolitan Sewer	103,511 80
Alewife Brook	3,531 53
Abatement Smoke Nuisance	332 60
Charles River Basin	84,475 51
Corporation	170 55
Treasury Department:—	
Salaries	11,493 40
General Expenses	6,450 16
Water Department:—	
Construction—General	31,032 77
Water Department:—	
Construction:—	
Hobbs Brook Conduit	4,150 00
Subway	10,032 54
Water Department:—	
Maintenance	23,903 40
Salaries	14,777 79
General Expenses	44,023 23
Study of Water Supply	4,293 05
Playground Grading	1,278 55
Pumping Station—Repairs	198 00
Pumping:—	
Salaries	9,764 10
General Expenses	11,469 44
Fresh Pond Reservoir	8,065 09
Hobbs Brook Reservoir	1,634 67
Payson Park Reservoir	950 09
Stony Brook Reservoir	3,014 02
Ice for Fountains	724 20
Services of City Treasurer and City Solicitor	2,500 00
Abatements	1,741 44
Refunds	775 35
New Flagstaff Socket	500 00
Charles River Dam Apportionment	1,000 00
Cambridge Industrial Carnival	200 00
Total Payments	$4,265,842 16
Cash balance in Treasury, March 30, 1912	205,203 96
Total	$4,471,046 12

MARCH 30, 1912 (INC.), WITH TIMOTHY W. GOOD, CITY TREASURER

Cr.

Amount brought forward	$4,062,577 78

Total Receipts	$4,062,577 28
Cash Balance in Treasury, March 31, 1911	408,468 84
Total	$4,471,046 12

TEMPORARY LOAN IN ANTICIPATION OF TAXES NEGOTIATED DURING THE YEAR ENDING MARCH 30, 1912.

Date	Maturity	Amount	
1911	**1911**		
June 20..........	October 15.......	$400,000	Discounted at 2¾% per annum.

This loan was paid before the close of the financial year.

PARTICULARS CONCERNING THE BONDS NEGOTIATED DURING THE YEAR ENDING MARCH 30, 1912.

Date of bonds	Amount	Loan	Years to run	Rate of interest	Purchaser	Price paid
1911						
July 1	$55,000 00	Street	10	3½%	Merrill, Oldham & Co.	$100 01
July 1	25,000 00	Municipal	10	3½	Merrill, Oldham & Co.	100 01
July 1	8,000 00	Cemetery	10	3½	Merrill, Oldham & Co.	100 01
July 1	15,000 00	Playground	30	3½	Merrill, Oldham & Co.	100 01
July 1	7,000 00	Park	40	3½	Merrill, Oldham & Co.	100 01
July 1	8,000 00	Street	20	3½	Merrill, Oldham & Co.	100 01
July 1	45,000 00	Street [System]	20	3½	Merrill, Oldham & Co.	100 01
July 1	10,000 00	Sewer, Separate	30	3½	Merrill, Oldham & Co.	100 01
July 1	10,000 00	Sewer	30	3½	Merrill, Oldham & Co.	100 01
Dec. 1	60,000 00	Charles River Basin Assessment	10	4	Blake Brothers	100 81
Dec. 1	4,000 00	Hospital	20	3½	Blake Brothers	100 81
Dec. 1	17,000 00	Street [System]	10	4	Blake Brothers	100 81
Dec. 1	10,000 00	Sewer, Separate	30	3½	Blake Brothers	100 81
Dec. 1	30,000 00	Playground	30	3½	Blake Brothers	100 81
Dec. 1	6,200 00	Park	40	3½	Blake Brothers	100 81
Dec. 1	24,000 00	Water (Serial)	yearly for 24	3½	Blake Brothers	100 81
Dec. 1	10,000 00	Water	30	3½	Blake Brothers	100 81
Dec. 1	10,000 00	Camb. Bridge	40	3½	Blake Brothers	100 81
1912						
Mar. 20	25,000 00	Hospital	20	3½	Blake Brothers	Par
Mar. 20	15,500 00	Municipal	10	3½	Blake Brothers	Par
Mar. 20	10,000 00	Bridge	40	3½	Blake Brothers	Par
Mar. 20	2,500 00	Schoolhouse	20	3½	Blake Brothers	Par
	$407,200 00					

RECAPITULATION.

Sewer	$10,000 00	Playground	$45,000 00
Sewer, Separate System	20,000 00	Park	13,200 00
Water	34,000 00	Schoolhouse	2,500 00
Street	125,000 00	Charles River Basin	60,000 00
Municipal	40,500 00	Hospital	29,000 00
Cemetery	8,000 00	Cambridge Bridge	20,000 00
Total Issue			$407,200 00

FEES

During the year ending March 30, 1912, the Treasurer has received official fees amounting to $3,750.00, itemized as follows:

Summonses to delinquents	$1,396 45	
Preparing advertisements of sale	111 30	
Advertisements of sale	191 45	
Posting advertisements of sale	102 50	
Making tax deeds	224 00	
Recording affidavits	16 80	
Certificates of liens	176 00	
Releases of tax deeds	25 00	
Rebate	6 50	
Services of Treasurer to Water Department	1,500 00	
Total		$3,750 00

These fees were all turned into the City Treasury as received.

REPORT OF FUNDS IN HANDS OF TREASURER
CEMETERY FUND

Amount of bonds in fund, April 1, 1911	$83,750 00	
Amount of bonds purchased to March 30, 1912	6,000 00	
Amount of bonds in fund, April 1, 1912		$89,750 00

CASH ACCOUNT

Cash on hand March 31, 1911	$108 90	
Cash received from proprietors of lots in Cambridge Cemetery for perpetual care	6,791 46	
Cash received for deed in trust	10 00	
Cash received for interest on investments	3,258 07	
Cash received for discount on bonds purchased	331 25	
		$10,499 68

CEMETERY FUND ACCOUNT—Continued

Cash paid to Cemetery Trustees for the care of lots placed in perpetual care	$3,235 32	
Cash paid for bonds purchased	6,000 00	
Cash paid for accrued interest	35 49	
		9,270 81
Balance of cash on hand March 30, 1912		$1,228 87
		$10,499 68

The assets of the two funds as of March 30, 1912, are invested as follows:—

Registered bonds of the City of Cambridge amounting to	$89,750 00	
Deposited in Harvard Trust Company...............	1,228 87	
		$90,978 87
Fund for perpetual care of lots	$90,776 87	
Fund for deeds in trust is	202 00	
		90,978 87

The following are the investments belonging to the Cemetery Trust Funds:—

				Maturing		
Cambridge	City Bonds	4s	Oct. 1, 1916	$2,000 00	
"	" "	3½	Aug. 1, 1918	1,000 00	
"	" "	4	Aug. 1, 1918	7,000 00	
"	" "	3½	Nov. 1, 1919	3,000 00	
"	" "	3½	Nov. 1, 1920	1,000 00	
"	" "	3½	Mar. 1, 1921	800 00	
"	" "	3½	Oct. 1, 1922	11,000 00	
"	" "	3½	Nov. 1, 1923	12,000 00	
"	" "	3½	April 1, 1924	1,000 00	
"	" "	3½	Nov. 1, 1924	4,500 00	
"	" "	3½	May 1, 1925	950 00	
"	" "	4	Oct. 1, 1925	7,500 00	
"	" "	3½	Nov. 1, 1925	1,500 00	
"	" "	4	Nov. 1, 1926	8,000 00	
"	" "	4	June 1, 1927	1,000 00	
"	" "	3½	Feb. 1, 1930	5,000 00	
"	" "	4	May 1, 1936	3,500 00	
"	" "	4	May 1, 1936	1,500 00	
"	" "	4	Dec. 1, 1938	5,000 00	
"	" "	4	May 1, 1940	5,000 00	
"	" "	3½	Mar. 1, 1941	1,500 00	
"	" "	3½	May 1, 1944	4,000 00	
"	" "	3½	Mar. 1, 1951	1,000 00	
"	" "	3½	Mar. 1, 1951	1,000 00	
Total					$89,750 00

SARAH E. RUSSELL FUND

This is a fund bequeathed by the late Sarah E. Russell of Cambridge, in 1898, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time, of the Cambridge Almshouse.

The amount of the bequest was $814.41, and was deposited in the Cambridgeport Savings Bank where it now remains.

The interest accumulations, amounting to $28.74 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

REPORT OF THE WM. PENN HARDING FUND

May 10, 1911, deposited in East Cambridge Savings Bank	$1,000 00
March 14, 1912, the interest on said fund amounting to $20 was paid to the Trustees of the Public Library in accordance with the provisions of the gift.	
The pass book of the East Cambridge Savings Bank shows that on March 30, 1912, the amount on deposit was	$1,000 00

BOND ACCOUNT

This fund is set aside to meet payments on matured bonds which have not been presented within the financial year.

The amount of fund June 1, 1911, was	$2,222 41
Interest accumulations to March 30, 1912	52 64
Deposit March 30, being amount due on bonds maturing January 1, 1912	3,000 00
Leaving amount of fund	$5,275 05

The above amount is on deposit at the Harvard Trust Company, Cambridge, Mass.

TAILINGS ACCOUNT

This fund consists of various amounts of money due on pay rolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same.

The amount of the fund June 1, 1911, was	$2,736 06	
Interest on deposit to March 30, 1911	57 32	
Deposited March 30, 1911	351 37	
		$3,144 75
There has been paid out of the fund during the year to sundry persons	$4 20	
March 30, 1912, balance on deposit at Harvard Trust Company		$3,140 55

HOPKINS FUND

Amount received by City Treasurer June 14, 1911 ..	$1,566 99	
Interest accumulations on deposit	26 62	
		$1,593 61
Paid to School Department	$280 00	
Paid to Sylvester J. Redmond for prizes	100 00	
Paid to Mary T. Mernin	100 00	
Paid to Prince A. Wheeler	75 00	
Paid to Clifford Wood, Jr.	75 00	
Paid to Martha Noll	75 00	
	$705 00	
Balance March 31, 1912, Harvard Trust Company ..	888 61	
		$1,593 61

TIMOTHY W. GOOD,
City Treasurer.

City Auditor's statement of provisions of Section 1, Chapter 322, Acts of 1904.

Under the provisions of Section 1, Chapter 322, Acts of 1904, I hereby certify that I have this day examined the accounts, vouchers and securities belonging to the within Trust Funds held for public use and find them to be correct and in excellent condition.

Attest:
CHARLES H. THURSTON.
City Auditor.

REPORT OF COMMISSIONERS OF SINKING FUNDS OF THE CITY

To the Honorable, the City Council:—

The Commissioners of the several Sinking Funds of the City herewith submit their annual report, covering the year ending March 30, 1912. Our report shows the condition of the Sinking Funds under two divisions: First, Municipal; second, Water.

The following is the condition of the Municipal Loan Funds:—

Dr.

The amount of the funds, March 31, 1911..........	$2,111,438 07	
Received from the City of Cambridge the annual requirements as appropriated by the City Council for the several bonded loans...........	237,989 28	
Interest received on invested funds................	85,255 32	
Premiums received on investments purchased......	4,239 75	
		$2,438,922 42

Cr.

Paid on account of maturing Cambridge bonds......	$101,000 00	
Paid premiums on investments purchased..........	1,590 20	
Paid accrued interest on investments purchased....	4,224 00	
Leaving total amount of funds, March 30, 1912....	2,332,108 22	
		$2,438,922 42

The following figures show the condition of Water Loan Funds:—

Dr.

Amount of the fund, March 31, 1911................	$1,569,009 49	
Amount received from City Treasurer of Cambridge being the annual requirements for 1912 derived from water rates	104,097 50	
Interest received on investments..................	58,152 52	
Premiums received on investments	3,195 00	
Surplus received from water rates..................	23,903 40	
		1,758,357 91

Cr.

Paid premiums on investments purchased..........	$387 00	
Paid accrued interest on investments purchased....	1,108 25	
Paid City Treasurer to meet maturing bonded debt	185,000 00	
Leaving amount of fund, March 30, 1912..........	1,571,862 66	
		1,758,357 91

The following are the investments belonging to the Municipal Loan Funds:—

			Maturing	
Cambridge	City bonds	4s	May 2, 1912	5,000 00
“	“ “	3½s	July 1, 1912	33,000 00
“	“ “	3½s	Nov. 1, 1912	5,000 00
“	“ “	4s	Nov. 1, 1912	22,000 00
“	“ “	4s	Feb. 1, 1913	1,000 00
“	“ “	4s	Aug. 1, 1914	21,000 00
“	“ “	4s	Aug. 1, 1914	3,000 00
“	“ “	4s	April 1, 1915	200,000 00
“	“ “	4s	Oct. 1, 1915	70,000 00
“	“ “	4s	July 1, 1916	70,000 00
“	“ “	4s	July 1, 1916	100,000 00
“	“ “	4s	Aug. 1, 1916	90,000 00
“	“ “	4s	Oct. 1, 1916	110,000 00
“	“ “	4s	Oct. 1, 1916	5,000 00
“	“ “	3½s	July 1, 1917	100,000 00
“	“ “	3½s	Nov. 1, 1917	65,000 00
“	“ “	4s	Jan. 1, 1918	10,000 00
“	“ “	3½s	May 2, 1918	50,000 00
“	“ “	3½s	Aug. 1, 1918	90,000 00
“	“ “	4s	Mar. 1, 1919	5,000 00
“	“ “	4s	Mar. 1, 1919	10,000 00
“	“ “	3½s	Nov. 1, 1919	18,000 00
“	“ “	4s	July 1, 1921	15,000 00
“	“ “	3½s	Nov. 1, 1921	27,000 00
“	“ “	3½s	July 1, 1922	5,000 00
“	“ “	3½s	Nov. 1, 1922	3,000 00
“	“ “	4s	Feb. 1, 1924	15,000 00
“	“ “	3½s	April 1, 1924	25,000 00
“	“ “	4s	April 1, 1924	40,000 00
“	“ “	4s	April 1, 1924	5,000 00
“	“ “	3½s	May 1, 1925	24,500 00
“	“ “	3½s	May 1, 1925	15,000 00
“	“ “	3½s	Aug. 1, 1925	20,000 00
“	“ “	4s	Oct. 1, 1926	40,000 00
“	“ “	4s	Nov. 1, 1926	6,000 00
“	“ “	4s	Sept. 1, 1927	5,000 00
“	“ “	4s	Nov. 1, 1927	10,000 00
“	“ “	3½s	Nov. 1, 1929	42,000 00
“	“ “	4s	Nov. 1, 1937	10,000 00
“	“ “	3½s	Oct. 1, 1941	25,000 00
“	“ “	3½s	Jan. 1, 1943	6,000 00
Boston	“ “	4s	April 1, 1912	23,000 00
Lynn	“ “	4s	May 1, 1912	5,000 00
Lenox	Town “	4s	Oct. 10, 1912	5,000 00
Boston & Lowell R. R. Co.		4s	Feb. 1, 1913	11,000 00
Lynn	City bonds	4s	May 1, 1913	5,000 00
Boston & Albany R. R. Co.		4s	Oct. 1, 1913	50,000 00
N. Y., N. H. & H. R. R. Co.		4s	Feb. 1, 1914	40,000 00
Lynn	City bonds	4s	May 1, 1914	5,000 00
Allegheny, Pa.	“ “	3½s	Oct. 1, 1914	22,000 00
Dalton	Town “	4s	Jan. 1, 1915	15,000 00
Watertown	“ “	3½s	Jan. 1, 1915	6,000 00

Amount carried forward.......................................$1,608,500 00

Amount brought forward						$1,608,500 00
Lynn	City	bonds	4s	May 1, 1915	5,000 00	
Medford	"	"	4s	July 1, 1915,	23,000 00	
Fall River	"	"	4s	Aug. 1, 1915	5,000 00	
West End St. Ry.		"	4s	Aug. 1, 1915	57,000 00	
Allegheny, Pa.	City	bonds	3½s	Oct. 1, 1912	22,000 00	
Boston	City	"	4s	Jan. 1, 1916	20,000 00	
Watertown	Town	"	3½s	Jan. 1, 1916	7,000 00	
Melrose	City	"	4s	Feb. 24, 1916	10,000 00	
Fall River	"	"	4s	Mar. 1, 1916	42,000 00	
Lynn	"	"	4s	May 1, 1916	5,000 00	
West End St. Ry.		"	4s	May 1, 1916	4,000 00	
Brockton	City	"	3½s	July 1, 1916	5,000 00	
Boston & Lowell R. R. Co.			4s	July 1, 1916	10,000 00	
Fitchburg R. R. Co.		bonds	4s	July 1, 1916	10,000 00	
Worcester	City	"	4s	July 1, 1916	35,000 00	
Allegheny, Pa.	"	"	3½s	Oct. 1, 1916	22,000 00	
Boston	"	"	3½s	Jan. 1, 1917	50,000 00	
Watertown	Town	"	3½s	Jan. 1, 1917	9,000 00	
West End St. Ry.		"	4s	Feb. 1, 1917	43,000 00	
Watertown	Town	"	3½s	Jan. 1, 1918	9,000 00	
Marlborough	City	"	4s	July 1, 1918	10,000 00	
Medford	"	"	4s	Aug. 1, 1918	50,000 00	
Watertown	Town	"	3½s	Jan. 1, 1919	9,000 00	
Boston	City	"	3½s	July 1, 1919	5,000 00	
Watertown	Town	"	3½s	Jan. 1, 1920	9,000 00	
Stoughton	"	"	4s	June 1, 1920	2,000 00	
Watertown	"	"	3½s	Jan. 1, 1921	9,000 00	
Watertown	"	"	3½s	Jan. 1, 1922	9,000 00	
Reading	"	"	4s	June 1, 1922	5,000 00	
Boston	City	"	3½s	June 1, 1922	53,000 00	
Boston	"	"	3½s	June 1, 1923	66,000 00	
Reading	Town	"	4s	June 1, 1923	5,000 00	
Medford	City	"	4s	July 1, 1923	2,000 00	
Old Colony R. R. Co.			4s	Dec. 1, 1925	50,000 00	
Fitchburg R. R. Co.			4s	Mar. 1, 1927	40,000 00	
						$2,325,500 00
Cash on hand						6,608 22
						$2,332,108 22

The following are the investments of the Water Loan Funds:—

				Maturing		
Cambridge	City	bonds	4s	May 1, 1912	2,000 00	
"	"	"	3½s	May 1, 1912	10,500 00	
"	"	"	4s	May 2, 1912	1,000 00	
"	"	"	4s	May 2, 1912	6,000 00	
"	"	"	3½s	Nov. 1, 1912	20,000 00	
"	"	"	4s	Nov. 1, 1912	3,000 00	
"	"	"	4s	Feb. 1, 1913	8,000 00	
"	"	"	4s	Feb. 1, 1913	1,000 00	
"	"	"	3½s	May 1, 1913	5,500 00	
"	"	"	4s	Aug. 1, 1914	6,000 00	
Amount carried forward						$63,000 00

Amount brought forward $63,000 00

Cambridge	City	bonds	4s	Aug. 1, 1914	$3,000 00
“	“	“	3½s	May 1, 1915	12,500 00
“	“	“	4s	April 1, 1916	10,000 00
“	“	“	3½s	May 1, 1916	11,500 00
“	“	“	4s	Oct. 1, 1916	65,100 00
“	“	“	4s	Oct. 1, 1916	25,000 00
“	“	“	3½s	May 1, 1917	12,500 00
“	“	“	3½s	Dec. 1, 1917	40,000 00
“	“	“	3½s	May 2, 1918	100,000 00
“	“	“	4s	July 1, 1918	1,000 00
“	“	“	4s	Sept. 1, 1918	1,000 00
“	“	“	4s	Mar. 1, 1919	5,000 00
“	“	“	4s	Mar. 1, 1919	1,000 00
“	“	“	3½s	May 1, 1919	12,500 00
“	“	“	3½s	Nov. 1, 1919	20,000 00
“	“	“	3½s	May 1, 1920	12,500 00
“	“	“	4s	Nov. 1, 1920	5,000 00
“	“	“	3½s	May 1, 1921	12,500 00
“	“	“	3½s	July 1, 1921	5,000 00
“	“	“	4s	July 1, 1921	1,000 00
“	“	“	3½s	May 1, 1922	12,500 00
“	“	“	3½s	July 1, 1922	1,000 00
“	“	“	3½s	July 1, 1922	10,000 00
“	“	“	3½s	July 1, 1922	17,000 00
“	“	“	3½s	May 1, 1923	12,500 00
“	“	“	3½s	Oct. 1, 1923	25,000 00
“	“	“	4s	Feb. 1, 1924	1,000 00
“	“	“	4s	Feb. 1, 1924	5,000 00
“	“	“	4s	April 1, 1924	1,000 00
“	“	“	3½s	April 1, 1924	23,000 00
“	“	“	3½s	May 1, 1924	12,500 00
“	“	“	3½s	April 1, 1933	1,000 00
“	“	“	3½s	Sept. 1, 1937	3,000 00
Boston	“	“	4s	April 1, 1912	35,000 00
Pittsburg, Pa.	“	“	3½s	April 1, 1912	10,000 00
Holyoke	“	“	3½s	May 1, 1912	7,500 00
Worcester	“	“	3½s	July 1, 1912	35,000 00
Springfield	“	“	3½s	July 1, 1912	8,700 00
Somerville	“	“	4s	July 1, 1912	8,000 00
Brockton	“	“	3½s	Aug. 1, 1912	2,000 00
Newburyport	“	“	3½s	Sept. 1, 1912	7,000 00
Salem	“	“	3½s	Sept. 1, 1912	5,000 00
Wakefield	Town	“	4s	Oct. 1, 1912	1,000 00
Gloucester	City	“	3½s	Oct. 1, 1912	10,000 00
Lynn	“	“	3½s	Oct. 1, 1912	3,000 00
Fitchburg	“	“	3½s	Nov. 1, 1912	8,000 00
Troy, N. Y.	“	“	3½s	Nov. 15, 1912	2,000 00
Boston & Lowell	R. R. Co.		4s	Feb. 1, 1913	35,000 00
Holyoke	City	bonds	3½s	May 1, 1913	7,500 00
Newburyport	“	“	3½s	June 1, 1913	12,000 00
Springfield	“	“	3½s	July 1, 1913	8,700 00
Somerville	“	“	4s	July 1, 1913	8,000 00
Brockton	“	“	3½s	Aug. 1, 1913	2,000 00
Newburyport	“	“	3½s	Sept. 1, 1913	7,000 00
Salem	“	“	3½s	Sept. 1, 1913	5,000 00
Gloucester	“	“	3½s	Oct. 1, 1913	10,000 00
Fitchburg	“	“	3½s	Nov. 1, 1913	8,000 00

Amount carried forward $789,000 00

Amount brought forward.. $789,000 00

Troy, N. Y.	City	bonds	3½s	Nov. 15, 1913	$2,000 00
N. Y., N. H. & H. R. R. Co.			4s	Feb. 1, 1914	28,000 00
Holyoke	City	bonds	3½s	May 1, 1914	7,500 00
Springfield	"	"	3½s	July 1, 1914	6,700 00
Somerville	"	"	4s	July 1, 1914	8,000 00
Salem	"	"	3½s	Sept. 1, 1914	5,000 00
Newburyport	"	"	3½s	Sept. 1, 1914	7,000 00
Troy, N. Y.	"	"	3½s	Nov. 15, 1914	2,000 00
Lynn	"	"	4s	Jan. 1, 1915	16,000 00
Fitchburg R. R. Co.		"	4s	Mar. 1, 1915	40,000 00
Revere	Town	"	3½s	April 1, 1915	1,000 00
Weymouth	"	"	3½s	May 1, 1915	2,500 00
Holyoke	City	"	3½s	May 1, 1915	7,500 00
Newburyport	"	"	3½s	June 1, 1915	12,000 00
Springfield	"	"	3½s	July 1, 1915	5,700 00
Somerville	"	"	4s	July 1, 1915	8,000 00
Brockton	"	"	3½s	Aug. 1, 1915	1,000 00
West End St. Ry.		"	4s	Aug. 1, 1915	9,000 00
Newburyport	City	"	3½s	Sept. 1, 1915	7,000 00
Salem	"	"	3½s	Sept. 1, 1915	5,000 00
Gloucester	"	"	3½s	Oct. 1, 1915	10,000 00
Troy, N. Y.	"	"	3½s	Nov. 15, 1915	2,000 00
Weymouth	Town	"	3½s	May 1, 1916	2,500 00
Holyoke	City	"	3½s	May 1, 1916	7,500 00
Springfield	"	"	3½s	July 1, 1916	3,500 00
Somerville	"	"	4s	July 1, 1916	8,000 00
Salem	"	"	3½s	Sept. 1, 1916	5,000 00
Gloucester	"	"	3½s	Oct. 1, 1916	10,000 00
Boston	"	"	3½s	Jan. 1, 1917	20,000 00
West End St. Ry.		"	4s	Feb. 1, 1917	3,000 00
Wellesley	Town	"	4s	Mar. 1, 1917	2,000 00
Waltham	City	"	4s	April 1, 1917	24,000 00
Revere	Town	"	3½s	April 1, 1917	12,000 00
Weymouth	"	"	3½s	May 1, 1917	2,500 00
Holyoke	City	"	3½s	May 1, 1917	7,500 00
New London	"	"	4s	July 1, 1917	5,000 00
Salem	"	"	3½s	Sept. 1, 1917	5,000 00
Gloucester	"	"	3½s	Oct. 1, 1917	10,000 00
New Bedford	"	"	4½s	Oct. 1, 1917	75,000 00
Hallowell, Me.	"	"	4s	Jan. 1, 1918	15,000 00
Wellesley	Town	"	4s	Mar. 1, 1918	1,000 00
Weymouth	"	"	3½s	May 1, 1918	2,500 00
Holyoke	City	"	3½s	May 1, 1918	7,500 00
Salem	"	"	3½s	Sept. 1, 1918	5,000 00
Gloucester	"	"	3½s	Oct. 1, 1918	10,000 00
Weymouth	Town	"	3½s	May 1, 1919	2,500 00
Newburyport	City	"	3½s	June 1, 1919	11,000 00
Salem	"	"	3½s	Sept. 1, 1919	5,000 00
Boston	"	"	3½s	Oct. 1, 1919	6,000 00
Revere	Town	"	3½s	April 1, 1920	2,000 00
Weymouth	"	"	3½s	May 1, 1920	2,500 00
Penobscot Shore Line R.R. Co.			4s	Aug. 1, 1920	25,000 00
Fitchburgf R. R. Co.		bonds	3½s	Oct. 1, 1920	50,000 00
Revere	Town	"	3½s	April 1, 1922	7,000 00
Quincy	City	"	4s	May 1, 1923	2,000 00
Quincy	"	"	4s	May 1, 1924	1,000 00
Rochester, N. Y.	"	"	3½s	July 1, 1924	35,000 00
Quincy	"	"	4s	May 1, 1925	2,000 00

Amount carried forward..$1,376,400 00

Amount brought forward						$1,376,400 00
Quincy	City	bonds	4s	May 1, 1926	$3,000 00	
Quincy	"	"	4s	May 1, 1927	3,000 00	
Attleborough	Town	"	4s	July 1, 1927	10,000 00	
Quincy	City	"	4s	May 1, 1928	3,000 00	
Winchester	Town	"	4s	June 1, 1928	6,000 00	
Quincy	City	"	4s	May 1, 1929	3,000 00	
Fall River	"	"	3½s	Nov. 1, 1929	75,000 00	
Quincy	"	"	4s	May 1, 1930	3,000 00	
Quincy	"	"	4s	May 1, 1931	3,000 00	
Quincy	"	"	4s	May 1, 1932	1,000 00	
Newton	"	"	4s	Aug. 1, 1935	2,000 00	
Newton	"	"	4s	July 1, 1936	11,000 00	
Grafton	Town	"	3½s	July 1, 1937	1,000 00	
Old Colony R. R. Co.		"	4s	Jan. 1, 1938	25,000 00	
Grafton	Town	"	3½s	July 1, 1938	2,000 00	
Grafton	"	"	3½s	July 1, 1939	2,000 00	
						$1,529,400 00
Cash on hand						42,462 66
						$1,571,862 66

The Committee appointed to audit the accounts of the Treasurer of the Funds reports that his accounts are correct and properly vouched, and his books are well kept. The interest, bond and cash transactions of the Treasurer during the year have been carefully computed independently of his books and the correctness of his accounts thereby proved.

GEORGE G. WRIGHT,
JAMES O'BRIEN,
HERBERT M. BRIDEY.

MUNICIPAL FUNDS ACCOUNT

BOND ACCOUNT

Amount in fund March 31, 1911	$2,107,500 00		
Amount purchased to March 30, 1912	321,000 00		
		$2,428,500 00	
Amount matured to March 30, 1912		103,000 00	
Amount of bonds in fund, March 30, 1912			$2,325,500 00

Amount brought forward			$2,325,500.00

CASH ACCOUNT

Dr.

Cash on hand, March 31, 1911	$3,938 07		
Cash received from City of Cambridge, annual appropriation	237,989 28		
Cash from interest on investments	85,255 32		
Cash from matured bonds	103,000 00		
Cash from discount on bonds purchased below par	4,239 75		
		$434,422 42	

Cr.

Cash paid for bonds purchased	$321,000 00		
Cash paid for premium on bonds purchased	1,590 20		
Cash paid for accrued interest on bonds purchased	4,224 00		
Cash paid City of Cambridge for municipal debt maturing this year	101,000 00		
		$427,814 20	
Balance cash on hand March 30, 1912			6,608 22
Total amount of fund, March 30 ,1912			$2,332,108 22

WATER LOAN FUNDS

BOND ACCOUNT

Amount of bonds in the fund, March 31, 1911	$1,529,600 00		
Amount of bonds purchased during year	139,000 00		
Total	$1,668,600 00		
Amount of bonds matured during year	139,200 00		
Amount of bonds in fund, March 30, 1912			1,529,400 00

CASH ACCOUNT

Cash on hand March 31, 1911	$39,409 49		
Cash received from City of Cambridge for annual appropriation	104,097 50		
Cash received from City of Cambridge for surplus receipts, Water Works—Maintenance Account	23,903 40		
Cash received from interest on investments	58,152 52		
Cash received from matured bonds	139,200 00		
Cash received from discount on bonds bought below par	3,195 00		
Total		$367,957 91	
Cash paid for bonds purchased	$139,000 00		
Cash paid for accrued interest on bonds purchased	1,108 25		
Cash paid City of Cambridge to meet water debt maturing this year	185,000 00		
Cash paid for premiums	387 00		
Total		325,495 25	
Balance cash on hand, March 30, 1912			42,462 66
Total amount of fund, March 30, 1912			$1,571,862 66

Municipal Bonds to the amount of $373,200.00 have been issued during the year. Municipal Bonds amounting to $101,000.00 matured during the year and were paid from the Sinking Fund. The total amount of the Funded Municipal Debt, exclusive of the Water Works debt, now outstanding, is $8,457,250.00. Deducting the present amount at par value of the Municipal Sinking Fund ($2,332,108.22) leaves the net amount of the Municipal Funded Debt, March 30, 1912, $6,125,141.78. This shows a net increase of $51,529.85 during the year. There will be due this Fund from taxation during the next municipal year the sum of $253,586.99. During the coming year Municipal Bonds to the amount of $78,000.00 will mature and be paid from this Fund.

Bonds amounting to $34,000.00 on account of the Cambridge Water Works have been issued during the past year. Bonds on this account to the amount of $185,000.00 matured and were paid from this Fund, and one Serial Bond of $12,500.00 also matured and was paid by the City Treasurer from water revenue. The total amount of the water debt now outstanding is $3,084,100.00. Deducting the par value of the Water Loan Sinking Fund $1,571,862.66), leaves the net Funded Water Debt, March 30, 1912, $1,512,237.34, a decrease of $166,353.17 from last year. During the coming year $220,000.00 of Water Bonds will mature and be paid from this fund. There will be due to this fund during the coming financial year from water rates, etc., $103,005.00.

The Board regrets that after an honorable service of thirty-four years as one of the Commissioners, eleven years as chairman, Hon. Frank A. Allen has felt compelled to ask to be relieved from further service. The Board desires to express its appreciation of his faithful service and its hope that he may long enjoy the rest so well earned.

GEORGE G. WRIGHT,
THOMAS F. ROYLE,
JAMES O'BRIEN,
HERBERT M. BRIDEY,
EDWARD N. MANNING,
JOHN J. QUINLAN.

The bonded City Debt matures as follows, viz.:—

July 1, 1912,	City	3 1-2s	38,000 00
Nov. 1, 1912,	Clay Land	3 1-2s	20,000 00
Nov. 1, 1912,	City	3 1-2s	20,000 00
Aug. 1, 1913,	Clay Land	3 1-2s	10,000 00
July 1, 1914,	Clay Land	3 1-2s	17,000 00
Aug. 1, 1914,	Building	4s	118,000 00
Aug. 1, 1914,	Street	4s	30,000 00
Oct. 1, 1915,	Building	4s	60,000 00
Oct. 1, 1915,	Street	4s	60,000 00
July 1, 1916,	Building	4s	70,000 00
Oct. 1, 1916,	Street	4s	137,000 00
Oct. 1, 1916,	Building	4s	33,000 00
Oct. 1, 1916,	Sewer	4s	75,000 00
Oct. 1, 1916,	Schoolhouse	4s	6,000 00
July 1, 1917,	Schoolhouse	3 1-2s	100,000 00
Oct. 1, 1917,	Harvard Bridge	4s	10,000 00
Jan. 1, 1918,	City	4s	10,000 00
May 1, 1918,	City	4s	400,000 00
May 2, 1918,	Schoolhouse	3 1-2s	100,000 00
May 2, 1918,	Street	3 1-2s	15,000 00
June 1, 1918,	Schoolhouse	3 1-2s	50,000 00
June 1, 1918,	City	4s	30,000 00
July 1, 1918,	Harvard Bridge	4s	100,000 00
Aug. 1, 1918,	Schoolhouse	3 1-2s	142,000 00
Aug. 1, 1918,	City	4s	7,000 00
Sept. 1, 1918,	Harvard Bridge	4s	100,000 00
Mar. 1, 1919,	Harvard Bridge	4s	115,000 00
July 1, 1919,	Schoolhouse	3 1-2s	42,000 00
Nov. 1, 1919,	Street	3 1-2s	5,000 00
Nov. 1, 1919,	Schoolhouse	3 1-2s	13,000 00
Jan. 1, 1920,	Street	3 1-2s	75,000 00
July 1, 1920,	Municipal	4s	8,000 00
Nov. 1, 1920,	Harvard Bridge	4s	5,000 00
Nov. 1, 1920,	Street	3 1-2s	21,000 00
Mar. 1, 1921,	Street	3 1-2s	25,800 00
Mar. 1, 1921,	Street	4s	25,000 00
Mar. 1, 1921,	Street	3 1-2s	25,000 00
July 1, 1921,	Harvard Bridge	4s	60,000 00
July 1, 1921,	Street	3 1-2s	30,000 00
July 1, 1921,	Cambridge Bridge	3 1-2s	24,000 00
July 1, 1921,	Schoolhouse	3 1-2s	76,000 00
July 1, 1921,	Street	3 1-2s	55,000 00
July 1, 1921,	Municipal	3 1-2s	25,000 00
July 1, 1921,	Cemetery	3 1-2s	8,000 00
Nov. 1, 1921,	Public Library	3 1-2s	27,000 00

Amount carried forward..$2,422,800 00

Amount brought forward..$2,422,800 00

Dec. 1, 1921,	Charles River Basin Assessment	4s	60,000 00
Dec. 1, 1921,	Street	4s	17,000 00
Mar. 1, 1922,	Municipal	3 1-2s	15,500 00
July 1, 1922,	Hospital	3 1-2s	6,000 00
July 1, 1922,	Schoolhouse	3 1-2s	86,500 00
July 1, 1922,	Street	3 1-2s	30,000 00
Oct. 1, 1922,	Schoolhouse	3 1-2s	11,000 00
Nov. 1, 1922,	Street	3 1-2s	14,000 00
Apr. 1, 1923,	Street	3 1-2s	4,000 00
Apr. 1, 1923,	Building	3 1-2s	3,000 00
Aug. 1, 1923,	Harvard Bridge	4s	10,000 00
Oct. 1, 1923,	Schoolhouse	3 1-2s	80,000 00
Nov. 2, 1923,	Street	3 1-2s	12,000 00
Feb. 1, 1924,	Park	4s	360,000 00
Apr. 1, 1924,	Building	3 1-2s	25,000 00
Apr. 1, 1924,	Schoolhouse	3 1-2s	80,000 00
May 1, 1924,	Building	3 1-2s	5,000 00
Aug. 1, 1924,	Sewer	4s	75,000 00
Sept. 1, 1924,	Street	3 1-2s	59,000 00
Nov. 1, 1924,	Building	3 1-2s	6,000 00
Nov. 1, 1924,	Schoolhouse	3 1-2s	20,000 00
Nov. 1, 1924,	Street	3 1-2s	6,500 00
May 1, 1925,	Street	3 1-2s	84,000 00
May 1, 1925,	Schoolhouse	3 1-2s	20,950 00
Aug. 1, 1925,	Schoolhouse	3 1-2s	20,000 00
Oct. 1, 1925,	Sewer	4s	60,000 00
Nov. 1, 1925,	Street	3 1-2s	1,500 00
May 1, 1926,	Street	4s	100,000 00
Aug. 1, 1926,	Park	4s	100,000 00
Aug. 1, 1926,	Schoolhouse	4s	47,000 00
Aug. 1, 1926,	Street	4s	22,000 00
Oct. 1, 1926,	Park	4s	40,000 00
Apr. 1, 1927,	Street	4s	40,000 00
June 1, 1927,	Street	4s	19,000 00
Sept. 1, 1927,	Street	4s	25,000 00
Sept. 1, 1927,	Building	4s	30,000 00
Nov. 1, 1927,	Street	4s	10,000 00
Jan. 1, 1928,	Street	4s	34,000 00
Aug. 1, 1928,	Street	4s	42,000 00
Aug. 1, 1928,	Hospital	4s	20,000 00
Dec. 1, 1928,	Schoolhouse	3 1-2s	40,000 00
Mar. 1, 1929,	Street	3 1-2s	20,000 00
Nov. 1, 1929,	Sewer	3 1-2s	42,000 00
Jan. 1, 1930,	Street	3 1-2s	13,500 00
Jan. 1, 1930,	Schoolhouse	3 1-2s	93,500 00

Amount carried forward..$4,332,750 00

Amount brought forward..$4,332,750 00

July 1, 1930,	Sewer	3 1-2s	100,000 00
July 1, 1930,	Schoolhouse	4s	120,000 00
July 1, 1930,	Cambridge Hospital	4s	95,000 00
July 1, 1930,	Street	4s	12,000 00
Mar. 1, 1931,	Street	3 1-2s	27,000 00
July 1, 1931,	Street	3 1-2s	8,000 00
July 1, 1931,	Street	3 1-2s	45,000 00
Dec. 1, 1931,	Hospital	3 1-2s	4,000 00
Mar. 1, 1931,	Schoolhouse	3 1-2s	5,000 00
Aug. 1, 1931,	Sewer	3 1-2s	110,000 00
Mar. 1, 1932,	Hospital	3 1-2s	25,000 00
Mar. 1, 1932,	Schoolhouse	3 1-2s	2,500 00
Aug. 1, 1932,	Metropolitan Park Assessment	3 1-2s	46,000 00
Nov. 1, 1932,	Sewer	3 1-2s	20,000 00
Apr. 1, 1933,	Sewer	3 1-2s	40,000 00
Oct. 1, 1933,	Sewer	3 1-2s	20,000 00
May 1, 1934,	Cambridge Bridge — Special Loan	3 1-2s	28,000 00
May 1, 1934,	Sewer	3 1-2s	112,000 00
Nov. 1, 1934,	Sewer	3 1-2s	5,000 00
May 1, 1935,	Sewer	3 1-2s	90,000 00
Aug. 1, 1935,	Park	4s	100,000 00
Feb. 1, 1936,	Park	4s	100,000 00
May 1, 1936,	Sewer	4s	35,000 00
Sept. 1, 1936,	Sewer	4s	25,000 00
Apr. 1, 1937,	Sewer	4s	60,000 00
Sept. 1, 1937,	Park	3 1-2s	100,000 00
Nov. 1, 1937,	Charles River Improvement	3 1-2s	50,000 00
Nov. 1, 1937,	Sewer	4s	10,000 00
June 1, 1938,	Park	3 1-2s	50,000 00
Aug. 1, 1938,	Park	3 1-2s	50,000 00
Aug. 1, 1938,	Charles River Improvement	3 1-2s	50,000 00
Aug. 1, 1938,	Sewer	4s	25,000 00
Dec. 1, 1938,	Sewer	4s	17,000 00
July 1, 1939,	Cambridge Bridge	3 1-2s	50,000 00
July 1, 1939,	Sewer	3 1-2s	2,000 00
Aug. 1, 1939,	Park	3 1-2s	100,000 00
Jan. 1, 1940,	Sewer	3 1-2s	46,000 00
May 1, 1940,	Sewer	4s	15,000 00
July 1, 1940,	Cambridge Bridge	3 1-2s	100,000 00
July 1, 1940,	Park	3 1-2s	50,000 00
July 1, 1940,	Sewer	4s	25,000 00
July 1, 1940,	Playground	4s	50,000 00

Amount carried forward..$6,357,250 00

Amount brought forward				$6,357,250 00
Nov. 1, 1940,	Park	3 1-2s	50,000 00	
Feb. 1, 1941,	Cambridge Bridge	3s	100,000 00	
Mar. 1, 1941,	Sewer	3 1-2s	10,000 00	
July 1, 1941,	Playground	3 1-2s	15,000 00	
July 1, 1941,	Sewer	3 1-2s	10,000 00	
July 1, 1941,	Sewer	3 1-2s	10,000 00	
Oct. 1, 1941,	Park	3 1-2s	100,000 00	
Nov. 1, 1941,	Cambridge Bridge	3 1-2s	100,000 00	
Dec. 1, 1941,	System Sewer	3 1-2s	10,000 00	
Dec. 1, 1941,	Playground	3 1-2s	30,000 00	
July 1, 1942,	Park	3 1-2s	48,000 00	
Aug. 1, 1942,	Cambridge Bridge	3 1-2s	100,000 00	
Jan. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00	
Apr. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00	
Apr. 1, 1943,	Park	3 1-2s	50,000 00	
Aug. 1, 1943,	Cambridge Bridge	3 1-2s	50,000 00	
Jan. 1, 1944,	Cambridge Bridge	3 1-2s	100,000 00	
May 1, 1944,	Cambridge Bridge	3 1-2s	200,000 00	
Aug. 1, 1944,	Cambridge Bridge	3 1-2s	100,000 00	
Sept. 1, 1944,	Cambridge Bridge	3 1-2s	50,000 00	
Sept. 1, 1944,	Park	3 1-2s	25,000 00	
Nov. 1, 1944,	Park	3 1-2s	6,000 00	
Apr. 1, 1945,	Park	3 1-2s	5,000 00	
May 1, 1945,	Park	3 1-2s	45,000 00	
May 1, 1945,	Cambridge Bridge	3 1-2s	150,000 00	
Aug. 1, 1945,	Park	3 1-2s	5,000 00	
Dec. 1, 1945,	Cambridge Bridge	3 1-2s	100,000 00	
Jan. 1, 1946,	Cambridge Bridge	3 1-2s	20,000 00	
Aug. 1, 1946,	Cambridge Bridge	4s	150,000 00	
Aug. 1, 1946,	Commercial Ave. Bridge	4s	50,000 00	
Sept. 1, 1946,	Park	4s	25,000 00	
Sept. 1, 1946,	Cambridge Bridge	4s	5,000 00	
Jan. 1, 1947,	Cambridge Bridge	4s	50,000 00	
July 1, 1947,	Cambridge Bridge	4s	40,000 00	
Oct. 1, 1947,	Cambridge Bridge	4s	15,000 00	
Oct. 1, 1947,	Park	4s	10,000 00	
Aug. 1, 1948,	Cambridge Bridge	4s	45,000 00	
Aug. 1, 1948,	Park	4s	30,000 00	
Nov. 1, 1948,	Park	4s	12,000 00	
Jan. 1, 1950,	Park	3 1-2s	8,800 00	
July 1, 1950,	Cambridge Bridge	4s	20,000 00	
Mar. 1, 1951,	Park	3 1-2s	17,000 00	
July 1, 1951,	Park	3 1-2s	7,000 00	
Dec. 1, 1951,	Park	3 1-2s	6,200 00	
Dec. 1, 1951,	Bridge	3 1-2s	10,000 00	
Mar. 1, 1952,	Bridge	3 1-2s	10,000 00	
Total				$8,457,250 00

The bonded Water Debt matures as follows:—

May 1, 1912	4s	$75,000 00
May 1, 1912	3 1-2s	12,500 00
Nov. 1, 1912	4s	45,000 00
Dec. 1, 1912	3 1-2s	1,000 00
Feb. 1, 1913	4s	100,000 00
May 1, 1913	3 1-2s	12,500 00
Aug. 1, 1913	4s	50,000 00
Dec. 1, 1913	3 1-2s	1,000 00
May 1, 1914	3 1-2s	12,500 00
Dec. 1, 1914	3 1-2s	1,000 00
Apr. 1, 1915	4s	200,000 00
May 1, 1915	3 1-2s	12,500 00
Aug. 1, 1915	4s	200,000 00
Dec. 1, 1915	3 1-2s	1,000 00
Apr. 1, 1916	4s	100,000 00
May 1, 1916	3 1-2s	12,500 00
July 1, 1916	4s	200,000 00
Aug. 1, 1916	4s	100,000 00
Oct. 1, 1916	4s	265,100 00
Dec. 1, 1916	3 1-2s	1,000 00
Apr. 1, 1917	3 1-2s	200,000 00
May 1, 1917	3 1-2s	12,500 00
July 1, 1917	3 1-2s	100,000 00
Nov. 1, 1917	3 1-2s	75,000 00
Dec. 1, 1917	3 1-2s	140,000 00
Dec. 1, 1917	3 1-2s	1,000 00
May 1, 1918	3 1-2s	12,500 00
May 2, 1918	3 1-2s	50,000 00
June 1, 1918	3 1-2s	60,000 00
Nov. 1, 1918	3 1-2s	50,000 00
Dec. 1, 1918	3 1-2s	1,000 00
May 1, 1919	3 1-2s	12,500 00
Nov. 1, 1919	3 1-2s	23,000 00
Dec. 1, 1919	3 1-2s	1,000 00
May 1, 1920	3 1-2s	12,500 00
Nov. 1, 1920	3 1-2s	30,000 00
Dec. 1, 1920	3 1-2s	1,000 00
May 1, 1921	3 1-2s	12,500 00
July 1, 1921	3 1-2s	30,000 00
Dec. 1, 1921	3 1-2s	1,000 00
May 1, 1922	3 1-2s	12,500 00
July 1, 1922	3 1-2s	13,500 00
Nov. 1, 1922	3 1-2s	5,000 00
Dec. 1, 1922	3 1-2s	1,000 00
May 1, 1923	3 1-2s	12,500 00
Dec. 1, 1923	3 1-2s	1,000 00
Apr. 1, 1924	4s	300,000 00
May 1, 1924	3 1-2s	12,500 00
Dec. 1, 1924	3 1-2s	1,000 00
May 1, 1925	3 1-2s	12,500 00
May 1, 1925	3 1-2s	46,000 00
Dec. 1, 1925	3 1-2s	1,000 00
Dec. 1, 1926	3 1-2s	1,000 00
Dec. 1, 1927	3 1-2s	1,000 00
June 1, 1928	4s	20,000 00
Dec. 1, 1928	3 1-2s	1,000 00
Dec. 1, 1929	3 1-2s	1,000 00

Amount carried forward......................................$2,670,600 00

Amount brought forward			$2,670,600 00
Jan. 1, 1930	3 1-2s	5,000 00	
Feb. 1, 1930	3 1-2s	5,000 00	
Dec. 1, 1930	3 1-2s	1,000 00	
Dec. 1, 1931	3 1-2s	1,000 00	
Dec. 1, 1932	3 1-2s	1,000 00	
Dec. 1, 1933	3 1-2s	1,000 00	
Dec. 1, 1934	3 1-2s	1,000 00	
Dec. 1, 1935	3 1-2s	1,000 00	
May 1, 1936	4s	280,000 00	
June 1, 1937	4s	49,000 00	
July 1, 1937	4s	25,000 00	
Aug. 1, 1938	4s	17,000 00	
May 1, 1941	3 1-2s	16,500 00	
Dec. 1, 1941	3 1-2s	10,000 00	
Total			$3,084,100 00

REPORT OF THE COMMITTEE ON FINANCE

The annual report of this Committee for the fiscal year of this city, which closed March 30, 1912, is herewith presented.

The estimate of the cost of maintenance of the various departments and executive boards for this year were duly sent to the Mayor, and with his recommendations were submitted to the City Council. The original estimates and the recommendations therein were as follows:

	Estimates	Mayor's recommendations	Committee recommendations
1 General Government	$131,048 48	$128,101 66	$128,511 66
2 Public Safety, etc..........	384,198 47	355,694 17	355,894 17
3 Health and Sanitation	226,928 25	211,470 68	211,970 68
4 Highways and Bridges	264,144 05	243,966 00	243,966 00
5 Charities	59,745 00	56,535 00	56,535 00
6 Soldiers' Benefits	28,300 00	28,300 00	28,300 00
7 Education	535,737 56	535,737 56	535,737 56
8 Libraries	32,586 50	29,289 00	29,289 00
9 Recreation	40,682 42	33,061 77	29,461 77
10 Cemeteries	25,529 00	18,559 00	18,559 00
11 Interest	314,571 75	314,571 75	314,571 75
12 Sinking Funds	237,989 28	237,989 28	237,989 28
13 Unclassified	42,000 00	37,000 00	41,000 00
14 Municipal Industries	336,602 18	331,968 25	331,986 26
	$2,660,062 94	$2,562,244 12	$2,563,772 12

LESS

Deduct amount allowed for schools......	535,737 56	
11 Interest	314,571 75	
12 Sinking Fund requirements	237,989 28	
		1,088,298 59
		$1,475,473 53
Average valuation in 1908, 1909, 1910, $107,147,511.33.		
$12 per thousand on same	$1,285,700 14	
Deduct amount allowed for schools	535,737 56	
	$749,962 58	
Add estimated revenue and cash in treasury	805,372 08	
Total amount available inside $12 limit...	$1,555,334 66	

Total amount of Committees' recommendations inside $12 limit	$1,475,463 53
Add interest and Sinking Fund requirements	552,561 03
Add allowance for schools, Act of 1907	535,737 56
	$2,563,762 12
Less estimated revenue and cash in treasury, March 31, 1911	805,372 08
Leaving amount to be provided for	$1,758,390 04
The Committee recommends that this amount be provided for:	
1. By assessment upon the polls and estates of the inhabitants of Cambridge, etc., for the current year, being the amount required for Municipal and School Expenses for the year	$1,758,390 04

In accordance with the foregoing estimates, orders were recommended as follows:

1—That the following sums (as stated in an accompanying schedule) be and hereby are appropriated toward defraying the expenses of the City of Cambridge for the financial year beginning April 1, 1911, and ending March 31, 1912.

2—That the sum of One Million Seven Hundred Fifty-eight Thousand Three Hundred Ninety Dollars and Four cents ($1,758,390.04) be raised by assessment upon the polls and estates of the inhabitants of the City of Cambridge, and the estates of non-resident proprietors, according to law to defray the current expenses of the city for the financial year beginning April 1, 1911, and ending March 31, 1912.

These recommendations were adopted by the City Council without change.

The usual Sub-Committee was appointed to count the cash in the treasury at the close of business on the last day of the financial year, March 30, 1912. President James T. Barrett of the Board of Aldermen, Alderman Michael M. O'Connor and President Frederick H. Burke of the Common Council, constituted the Committee. They attended to the duty assigned to them and reported as follows:—

March 30, 1912.

To the Committee on Finance,

Gentlemen:—The Sub-Committee appointed to count and examine the cash in the hands of the City Treasurer at the close of business on March 30, 1912, would respectfully report:

March 30, 1912:—		
Actual cash and business checks in City Treasurer's office amount to	$2,252 39	
Also certificates of deposit, showing balances at the close of business, March 30, 1912, to the credit of the City Treasurer as follows:		
1—Harvard Trust Co. of Cambridge ..	64,133 35	
2—Cambridge Trust Co. of Cambridge.	37,131 42	
3—Central Trust Co. of Cambridge ...	35,244 44	
4—Charles River National Bank of Cambridge	31,630 65	
5—National City Bank of Cambridge..	2,435 26	
6—Lechmere National Bank of Cambridge	30,372 21	
7—Liberty Trust Co. of Boston	7,689 26	
Making the total cash on hand		$210,888 98

—————, 1912. After the above examination by your Committee, additional entries belonging to the financial year ending March 30, 1912, were made as follows:

RECEIPTS

Int. due March 30, 1912, payable April 1, 1912, on Mayor's Draft, No. 6...	$34,692 00
Account of City Clerk's Department..	25 50
Account of Licenses	17 50
Account of Cemetery Department, Burials, etc	260 62
Account of sales of Lots and Graves..	130 00
Account of Perpetual Care Fund	648 50
Account of City Farm	623 88
Account of City Home	20 88
Account of House Offal	394 77
Account of Interest	6 23
Matured Bond Account	3,000 00
Which added to City Treasurer's cash balance as above makes a total of	$250,708 86
Deduct from this amount paid on account of partial payments on taxes, but held in suspense	4,877 30
Leaving a total of	$245,831 56

Amount brought forward		$245,831 56

EXPENDITURES

Account of Loan—Water	$3,000 00	
Account of Water Department—Maintenance	23,903 40	
Account of weekly payroll draft, No. 215	13,724 20	
Leaving a total of		$40,627 60
Which deducted from the foregoing total of receipts shows a balance in the City Treasurer's hands as of March 30, 1912, of		$205,203 96

The Sub-Committee also examined the total cash receipts and expenditures as per City Treasurer's ledger, and find the same to be as follows:

Cash balance from March 31, 1911	$408,468 84
Total cash receipts for year ending March 30, 1912	$4,062,577 28
A total of	$4,471,046 12
Total cash expenditures for year ending March 30, 1912	4,265,842 16
Which deducted from total receipts shows a cash balance as of March 30, 1912, as above of	$205,203 96

The above statements of receipts and expenditures were verified by comparison with the City Auditor's statement for year ending March 30, 1912. The Sub-Committee also examined the securities belonging to the Cemetery Fund, and Sarah E. Russell Fund, both held in trust by the City Treasurer, and find the same to be correct.

JAMES T. BARRETT,
MICHAEL M. O'CONNOR,
TIMOTHY J. HORAN,
Sub-Committee on Finance.

The foregoing report was transmitted for inclusion in the general report of the Committee hereinbefore given:

JAMES T. BARRETT,
MICHAEL M. O'CONNOR,
JAMES F. BLACK,
PETER J. NELLIGAN,
FREDERICK H. BURKE,
TIMOTHY J. HORAN,
CHARLES H. GAFFNEY,
FRANK L. MALLAHAN,
FORRIS W. NORRIS,
CHARLES E. CARRUTH, 2nd,
Committee on Finance.

REPORT OF THE SCHOOL COMMITTEE

To the Citizens of Cambridge:

During the year 1911–12, the Committee met thirty-two times, besides several meetings in Committee of the whole.

A matter which has largely occupied the attention of the Committee during the past year is the care of school buildings and grounds. By the new rules of the Committee, adopted early in the year, the appointment of a superintendent of buildings and grounds was provided for, to have charge of the maintenance and repair of the school buildings, and of the grounds surrounding them. On April 21, Mr. Edward J. Cogan was appointed superintendent of buildings and grounds, for six months from May first, at a salary of $1,500. It was immediately found that under the rules of the State Civil Service Board, the position so created, although the head of a principal department under the School Board, was covered by the Civil Service law. The Civil Service Commission permitted us to retain the services of Mr. Cogan temporarily until an examination could be held, and a regular Civil Service list established for the position. Mr. Cogan meanwhile assumed the duties of the position and made a full examination of the condition of the school buildings and grounds, with a particular view to fire-proofing the dangerous school basements. Upon his report the Committee authorized the expenditure of about six thousand dollars in fire-proofing basements, and the work proceeded under his direction. The Civil Service examination was held, but Mr. Cogan failed to pass, and the Committee therefore lost the benefit of his services after August 15. At the next meeting of the Committee, on September 15, it appeared that as the entire work undertaken during the summer had been completed, and the amount of money available for this purpose had been expended, and, as little can be done during term time except to make the ordinary repairs on buildings, it was unnecessary to fill the position until spring. The head janitor was therefore authorized to take charge of the repairs during the winter, and in March, 1912, Mr. John L. Mahoney, who obtained by far the highest average in the examination, was appointed to the position. The Committee feels in every way satisfied with the result of its action, as the repairs performed under the direction of Mr.

Roach, the head janitor, were entirely satisfactory, and the Committee was enabled to save the salary of the superintendent of buildings and grounds.

The danger from fire resulting from the improper construction of the school basements, which has troubled the Committee for two years, has, we hope, been entirely obviated by the changes made during the summer. These changes are as follows:

Agassiz School.—Fire-proofed under basement stairs.

Boardman School.—Fire walls in basement and under stairs; fire doors; wire-lathed and plastered furnace room ceiling.

Fletcher School.—Retaining walls of stairs to basement taken down and relaid in Portland cement mortar.

Gannett School.—Fire-proofed under stairs.

Harvard School.—Wire-lathed and plastered boiler room ceiling and repaired old plaster; fire walls in rear of boiler and fire doors in boiler room.

Houghton School.—Fire-proofed under stairs.

Parker School.—Fire walls in basement; fire proof wooden beam in basement and under stairs.

Putnam School.—Fire walls under entrance stairs.

Roberts School.—Fire-proofed under basement stairs.

Russell School.—Put in new smokestack.

Tarbell School.—Fire-proofed around furnace pipe.

Taylor School.—Fire proof walls and doors in basement; put in reinforced concrete floor in part of basement; put in new iron soil pipe and reset closets and tanks in boys' basement.

Willard School.—Fire walls in basement and under stairs; fire doors, wire-lathed and plastered boiler room ceiling.

These changes have been made at an expense of over six thousand dollars, which the Committee has been obliged to spare from the revenue received for the maintenance of the schools. Their only justification for what might otherwise be regarded as a diversion of public funds is the impossibility of continuing to carry on schools in unsafe buildings. It is to be hoped that the present condition of repairs of the school buildings is such that no more money need be diverted from education, for the purpose of safeguarding the life and health of teachers and pupils.

The Committee has interested itself during the year in the condition of school yards, and other places for exercise and recreation. At the earnest request of the Committee, the Playground Commission has this year procured a large tract of land in North Cambridge, as an athletic field for the schools. We believe that the provision of such adequate facilities for athletic sports will stimulate healthful exercise and make it easier for the Committee to insure healthy minds in healthy bodies. An opportunity presented itself during the year through the generosity of Mr. Frederick P. Fish, the owner, to procure at a very small price the land on both sides of the Russell School, to increase the size of the school yard. The City Council appropriated the money necessary to purchase the land, and that school is now provided with adequate grounds for recreation and physical training.

The State law, which forbade the use of common drinking cups, made it necessary for the School Committee to find some new method of providing drinking water for the pupils. After a careful investigation the Committee decided on a certain type of bubble fountain, as the most economical and safest, and during the preceding year a large number of such fountains were purchased. Unexpected difficulties were found in installing these fountains, which made it necessary to secure the services of several plumbers in order to discover the best method of installation. By the time a satisfactory result was reached, the basement repairs had been decided upon, and it was found that the funds at the disposal of the Committee might prove insufficient for all the demands made upon them during the year. The work of installing the drinking fountains was therefore suspended, and the pupils were furnished with cheap individual cups until the finances of the schools should be on a more secure basis. The Committee has not felt able during the year to proceed with the work of installation, but this may at any time be done.

In several of the school buildings the teachers have no room into which they can go for needed rest. The Committee feels very strongly that in every building such facilities should be provided where it is practicable. Such rooms have been furnished during the year in the Webster, Boardman and Tarbell schools.

For at least two years the increase of salaries of the grade teachers has been earnestly desired by the Committee and the Superintendent, but it seemed impossible to grant such an increase until the Committee was assured by experience that it could safely find the funds to meet the increased expense. By several economies, and particularly by an increase in efficiency of the teaching force, and a consequent diminution in the expense of instruction per pupil, and by raising the age of entrance to the grades to six years, these funds were assured, and on June second the Committee voted a new scale of salaries. According to the new scale, the ordinary maximum salary of teachers in the grade schools is $750 a year, an increase of fifty dollars over the old scale. This is not a large increase, nor one which at all satisfied the desire of the Committee, but it seemed as large as could be safely made. The salaries paid in the Cambridge schools, while larger than those paid in many of the smaller cities in the neighborhood, are still very small in comparison with the salaries paid in Boston, Brookline and Newton; and we must still continue to rely on the devotion and enthusiasm of our teachers rather than on the attractiveness of the salary to secure the best instruction in our schools.

As one item in the economies necessary to secure this desirable result, the School Committee felt obliged to increase the classroom work of the kindergarten teachers. The teachers in the kindergartens have, before this year, taught for one session only during the day. The Committee anticipated an increase in the number of pupils in the kindergarten during this year, and felt that if a great increase in expenditure for instruction were to be avoided, it would be necessary for the teachers to teach two sessions. This was accordingly provided for, and during the present year the kindergartens have contained a very much greater number of children with a smaller teaching force. This is, of course, a hardship on the kindergarten teachers, in that it involves an increase in the work which they are obliged to do, but after all, it involves no greater number of hours of work on their part than on the part of the primary teachers.

Other matters considered by the Committee during the year have been the improvement of school lunches and the establishment of instruction in thrift, as required by the law of the Commonwealth. An investigation of the problem of school lunches was made and a satisfactory plan for furnishing lunches to the pupils of the high schools was proposed. Unfortunately, however, it involved an expense which the Committee did not feel able to undertake. In order to teach thrift, the Committee finally adopted the plan suggested by the Superintendent, which was in fact a plan originated by him a number of years ago, and applied first in Natick and afterwards in Quincy. This was, in fact, the plan taken as a model in the framing of the statute of 1911, for the establishment of school savings banks. The Committee begs leave to refer to the report of the Superintendent for the success with which this plan has been put in operation in Cambridge.

The dentists, who have so generously given their services in examining the teeth of the school children, proposed, in coöperation with the Committee, to establish a free dental clinic for the pupils of the public schools. The Committee placed at their disposal a room in he Wellington School building, and fitted it up with hot water and other necessary fixtures. The clinic has been in operation in this room for several weeks with great and increasing success. In every case the consent of the parent or guardian is obtained before any treatment is given. The community is indebted to the Cambridge dentists for this most useful service.

The coöperation of the School Committee with the Dowse Institute in maintaining free public lectures in the schoolhouses, has continued with increased success during the present year. Courses of lectures have been maintained in the Wellington, Webster, and Peabody schools, and the attendance at the lectures has been most gratifying. The expense of furnishing the room and attendants has been borne by the Committee, while the Dowse Institute has furnished the lecturers. It is to be hoped that this plan may continue in successful operation in the future.

Only one more important change has been made in the rules of the Committee during the year. It has usually happened in the past that when a holiday came on Thursday, the Committee was asked to give, and in fact voted to give a holiday on the succeeding day. The Committee felt that, if this were to be done, it would be better done as a regular practice and by rule, rather than by a special vote on each occasion. It was therefore provided that, whenever a school holiday falls on Thursday, the succeeding day shall also be a holiday.

This seems a proper time to point out the principal changes that have been made in the schools during the three years since the reduction in size of the School Committee. These changes have been initiated by the Superintendent and have been carried out by him with much skill and devotion, and have in every case been heartily approved by at least four-fifths of the Committee.

The Latin School and the English High School have been consolidated into a single school. By this means, with economy in the cost of instruction, all the facilities of both schools have been placed at the services of the pupils in each, so that a great enrichment is possible in each of the courses of study. Following this greater freedom of choice and enlargement of courses, we have had an increase of nearly forty per cent in the number of pupils attending, with a great reduction in the cost of instruction per pupil, and it is believed with an increase in thoroughness of teaching, and particularly in zeal and interest on the part of the pupils. By the new plan pupils are allowed to enter both high schools in February and this means a saving of six months of time to a considerable number of Cambridge children. In most cases it enables the children to get a year more of higher instruction before entering upon the business of life.

The policy of the Committee and of the Superintendent has been to consolidate small schools, thus increasing the average size of the grade schools. This makes possible a more careful grading of the pupils and enables each pupil to find a class better suited to his ability and attainments. There has resulted from this change in most of the schools greater interest and diligence on the part of the pupils, and less idleness and mischief. By the new system of grading, the pupil is enabled to proceed as rapidly or as slowly as the quality of his mind demands, and as a result, the classes are not held back for dull pupils nor unduly pushed to keep pace with the quickest.

The course of study has been revised and carefully defined after consultation with the masters and many of the grade teachers. It has been possible to eliminate the ninth grade so that in Cambridge, as in the greater part of the country, there are now only eight years between kindergarten and high school. The age of beginning grade work has been raised to six years. No time appears to be gained by attempting to place a child under six years of age in the regular grades, as the strict discipline of a primary school is not suited to his needs. It is possible that eventually part of the teaching formerly carried on in the first grade may be placed in an advanced kindergarten year, but, if this is impracticable, the change in the entrance to the grades is still desirable, and the child is not delayed by it. The children in the lowest grade are now in school but one session. Three hours a day are certainly enough for a child of six to be subjected to the strict discipline of the schoolroom. The change has enabled the classes to be reduced in size one-half, and this reduction more than compensates for the omission of one session. The disadvantage of this plan is that the children are left in idleness for half the day. Eventually it is to be hoped that we may have a playground session for these children, so that under proper guidance they may play safely for a half day and study for the other half day. Until the city is able properly to support playgrounds, this must remain only a hope.

The Committee acceded to the wish of the Superintendent to appoint a director of physical training for the schools. Under his skilful direction the pupils have returned to the plan of a good outdoor recess in each session and games have been introduced which already the pupils are playing by themselves without direction on the part of their teachers. This is an end greatly desired, and it is already being reached. The resulting increase in health and happiness of the pupils is marked.

The special schools and special features have been brought more into harmony with the general educational system. Music and drawing in the high schools have been made part of the regular curriculum with credit on the same basis as other studies, and this has led not only to an increase in the number of those taking the courses, but to much more serious study being given to them.

The evening and vacation schools are being made of more direct educational value. For instance, in the vacation schools, provision is made for the removal of conditions in the regular schools, so as to save the pupils' time and the city the expense of their repeating work on account of conditions. In the evening schools more attention is being paid to the actual fitting of the pupils for their work in life.

The Committee deem it proper here to express their appreciation of the work of the Superintendent.

In bringing about these changes which, in view of the time elapsed since the first of them was put into effect, may well be called enormous, he has worked with high intelligence, with devoted energy and without sparing himself. While he has required of the teaching force the same devotion and energy which he has required of himself, he has been absolutely fair and sympathetic and kind in his feeling toward all those in the service of the Committee.

We sincerely believe that the city of Cambridge has been extremely fortunate in securing his services.

They also wish to express their appreciation of the work of the agent who, during the year under review, has undertaken a large amount of labor for the Committee in connection with the summer repairs on the schoolhouses in addition to his regular work, and has done it cheerfully and enthusiastically, as is his habit.

In School Committee,
Cambridge, May 16, 1912.

Ordered, That the report of the President of the Board be adopted as the annual report of the School Committee for 1911–1912, and that the secretary be authorized to append the names of four members thereto as follows:

JOSEPH H. BEALE,
FRED A. McMENIMEN,
CHARLES A. REYNOLDS,
FLORENCE LEE WHITMAN,

"I dissent from many of the statements and conclusions embodied in the foregoing report."

JAMES B. VALLELY,

Members of the School Committee for 1911–1912.

In Memoriam

FRANCES E. WHORISKEY
Teacher in the Cambridge Schools
1881–1895
Principal of the Lassell School
1895–1911
Died June 26, 1911

MARY L. ELLS
Teacher in the Washington School
1886–1905
Teacher in the Houghton School
1905–1912
Died March 28, 1912

REPORT OF THE SUPERINTENDENT

To the School Committee of the City of Cambridge:

Herewith I submit my third annual report, which is the forty-fourth in the series of annual reports by the superintendents. This report is incorporated in the seventy-second of the printed reports of the School Board of Cambridge.

SCHOOL ECONOMY

Success in business today depends very largely upon the ability of its management to eliminate waste—not so often the direct waste of material as waste due to poor organization, unproductive time and incompetent service. Superintendents of schools, as well as managers of business, are beginning to see very clearly that their greatest problem is to eliminate waste and to develop the potential efficiency of the systems under their charge. The true measure of efficiency or economy is not the amount expended but the values secured in return for the expenditure—the ratio of values between investment and product. Neither does economy mean penuriousness but a wise use of funds. Often a relatively small increase in expenditures will largely increase the returns. A niggardly policy is always extravagant.

The first step toward an economical administration of a school system is to organize the entire department upon the principles of efficiency by assigning to each department, each school, each room, and each person, definite duties which shall adequately provide for all parts of the work without any confusion or overlapping of functions; then, to train, encourage, and support each person in doing his best and to hold him responsible for the duties committed to his charge, making due allowances for mistakes of judgment, exercising patience with inexperience when accompanied by honest effort, and reserving severity for carelessness and neglect. Merit should be fully appreciated and suitably rewarded, but continued incompetency and persistent unfaithfulness should not long be tolerated. The ends for which the schools exist and the rights of the children should not be sacrificed.

Most persons seem to think the greatest waste in the schools is connected with books and supplies, but this is very far from the fact.

The cost of books and supplies for the public schools of this Commonwealth is about six per cent of the total running expense. If the entire sum were lost, it would not approach the direct and indirect waste which too often occurs in other ways. To equip the schools suitably with books and supplies is true economy. For teacher and pupils to work with inadequate means—with poor and antiquated tools—is quite as unwise and wasteful as to require the operatives of a shop or factory to do a similar thing. To be sure a little money seems to be saved thereby, but it is saved at great cost in time and efficiency—in the clearness of teaching and in the facility of learning, in interest, in effort, and in progress. If the loss could be measured in dollars and cents, it would undoubtedly far exceed the entire cost of suitable equipment, to say nothing of the unfavorable effect upon the subsequent lives of the children.

The greatest waste in the schools is due to the retardation of pupils—to non-promotion and repetition of work. A system of gradation and promotion, which does not allow all pupils to advance as fast as their ability will warrant, is very expensive both to taxpayers and to parents and the pupils themselves. If the average per capita cost of the schools is thirty-three dollars a year, which is about the cost in this State, the taxpayers are assessed that amount for every pupil who repeats a year's work and is saved an equal sum for every pupil who completes the course in a year less than the prescribed time. In this city 900 repeaters would cost the taxpayers more than all the school books and supplies purchased during the last year. But 900 is about five per cent of the number of pupils in our public schools. If ten per cent were kept back, which has been by no means a rare thing, it would mean an added expense of over $56,000 annually. If the yearly cost of supporting these children be reckoned at even $100 each, the loss to the families represented would aggregate over $170,000, making a total loss of over $226,000 a year, a sum of sufficient magnitude to attract very serious attention and to demand a radical improvement in the system of gradation and promotion. Under our present system no pupil is found in the same grade at the end of the year as at the beginning, unless he has been absent more than one-third of the time.

Inefficient teaching is also the cause of great waste. Often it is the real cause of the non-promotion of pupils. To their pupils, poor teachers mean waste of time, lack of interest, bad habits, slow progress, defective knowledge, loss of ambition, and early exit from school. To the community, they mean waste of money, undeveloped resources, ignorant citizenship, lower moral tone, and increased vagrancy. And this waste is not likely to be temporary but to last throughout the lives of the unfortunate victims, adding each year not only the pecuniary loss but the loss of comforts, happiness and usefulness. Could this enormous loss be calculated in terms of money, no community would tolerate the incompetency. It would insist upon having the best teachers available because it would appreciate the fact that the employment of incompetent teachers is a great waste of public funds and a great wrong to the children.

But the worth of efficient teachers should receive at least the recognition of reasonable salaries. Their services are too valuable and in too great demand to be long retained on terms of bare living expenses. A first-class teacher will never be overpaid, for her services are cheap at almost any price. Without a good teacher, a good school is impossible. She is far more important than buildings or books. She is an artist moulding the best material in the world and the impress of her instruction and influence will appear not only in the intelligence and industry of her pupils but in their manly worth and moral strength. But, if her best service is to be secured, she must be free from the want of the ordinary comforts of life and from anxiety about her declining years. Worry unfits any mind for its best work. It requires only a few dollars a year to bridge for her the gulf between discouragement and enthusiasm, between distracting fear and inspiring confidence. False economy in municipal expenses appears nowhere so persistently as in the salaries of teachers. As the community does more for its worthy teachers it will do more for its children. Let it insist upon having good teachers and then free them from worry about tenure of service and want in old age.

Another cause of waste generally overlooked is the retention of feeble-minded and extremely refractory pupils in the regular classes. Many of these children are so deficient mentally as to be entirely unable to do the work. They require the special training of schools for the feeble-minded. Others needing a greatly modified course of instruction should be grouped in special classes. A third division is so troublesome on account of truancy and bad conduct as to require the care and discipline of a parental school. In all, there are from two to four per cent of the children usually found in the public schools, who are not only getting little or nothing themselves from the schools, but are very seriously interfering with the progress of the rest of the pupils. They require an unwarranted amount of the teacher's time and energy, and constantly annoy and injure the other children by their conduct and example. The presence of these children is a very severe tax upon the teacher, greatly reduces the effectiveness of her services, retards the advancement of the class, and exerts a very harmful moral influence upon the school. True economy and the good of all demand a change in the treatment of these abnormal cases.

Sometimes the method of supervision is inefficient and wasteful. A supervisor, who interrupts every class he visits and occupies the time of teacher and pupils by needless talk, soon becomes an expensive nuisance. If by making a suggestion or by taking the class he can correct a serious mistake or render needed assistance, if he can help more than he will hinder by so doing, he may profitably take an active part in the work at any time. Otherwise he should interrupt only for the purpose of testing the class upon some important parts of its work. Ordinarily he will be more helpful if he inspects the school under the usual conditions, observing as quietly and unobtrusively as possible the relation of teacher and pupils, the methods of instruction, the attitude of the children towards their work, and the results of their effort, and reserving his suggestions for the teachers' meeting. Even if he should interrupt each class he visits only five minutes and visits only twelve rooms a day, it means the waste to a large degree not only of one hour of his own time but one hour of a teacher's time and that of forty or more pupils. This would amount to one day each week or two months each year, certainly too much time to give to social chat or irrelevant matters during school hours. School hours should be business hours and all should coöperate to make them as valuable as possible to the children. This will never lead to overwork for anyone who works in the right spirit and manner.

The janitor of a school is by no means an unimportant factor in school economy. The health and comfort of both teachers and pupils are much in his hands. The cleanliness of the building and the temperature of the rooms have a very positive influence upon the work of the school. By care and skill in the use of fuel and in the protection of property a competent janitor can save much cost, while an incompetent one may, through ignorance and neglect, easily waste more than the amount of his wages. It pays in dollars and cents, to say nothing of health and comfort, to employ only competent janitors. Even the disposition and manners of a janitor have a real value.

Finally, there is generally great waste in the evening schools, especially in the elementary evening schools. The waste is largely due to the inefficiency of the teachers. There seems to be a popular impression that almost anyone can teach well enough for these schools. Often persons with no professional training or experience and with no natural taste or aptitude for the work are assigned to the very difficult task of teaching a class of foreigners who neither speak nor understand the English language. This is a good and sufficient explanation of the discouragement and withdrawal of many persons who enter these schools with a sincere desire to learn. As the quality of the teaching improves, the percentage of attendance rises and the amount of work accomplished increases. The equipment of these schools is usually as unsatisfactory as the teaching and imposes a very serious handicap upon both teacher and learner. Old books, antiquated, worn out and discarded from the day schools, are placed here for further use. Many of them were written for young children and, even if whole and clean, are ill adapted to adult minds. The reading books are especially inappropriate both in thought and in subject matter. When the evening schools are as well equipped and as well taught as the day schools, there will be less waste, and the attendance and results will more fully justify their expense.

KINDERGARTENS

During the past year much time and thought have been given to the kindergartens with a sincere desire to reorganize them both in form and method so as to provide for a larger number of children, to eliminate their objectionable features and largely increase their scope and usefulness. A serious attempt has been made to develop a system of training adapted to the needs of the children and in vital touch with the real world as they see it. How successful the effort has been, time and the loyal service of the kindergartners must demonstrate.

In New England, at least, the kindergarten has not developed its highest function nor rendered its full service to the children and the community. Conservatism has stood guard with such jealous and unyielding devotion to the details of the Froebelian system that the fundamental principles and true spirit of Froebel have often been entirely forgotten. So much attention has been given to certain forms and methods and so great faith has been in their mysterious efficacy, that there has been little inclination to study the nature and needs of the child or to accept the light of modern knowledge. This has led to a grave misunderstanding both of Froebel and of the child. The kindergarten teaching has assumed the existence of powers which the child of four or five years does not possess, and functions ripe for exercise have been greatly neglected. The child's physical needs, which are his chief needs at this age, have received scant attention, while many exercises not only useless but positively harmful have been required. The children have been kept too much indoors and confined too much to their chairs and tables. Their small muscles have been overworked, while their large ones have suffered from want of proper use. Their fingers have been too busy and their bodies too quiet. Their eyes have been held too much upon fine work at short range, and their tongues have been kept too silent. Direction has usurped too much the function of spontaneity, and the program has left too little room for the freedom of the child. Instruction has cut short observation, teaching clipped the wings of imagination, and telling discouraged discovery and invention.

In thus criticising the usual New England kindergarten, I am not criticising the kindergartners, except so far as they decline to consider with open minds the results of scientific investigation or honest suggestions for the improvement of their work. The objections are to certain methods and practices, not to any persons. The fact is, kindergartners are generally women of good ability—intelligent, refined, sympathetic and devoted to their work, which they are doing faithfully as they have been taught to do it. As soon as they understand that there are defects in the kindergarten and that the highest interests of the children demand important changes, their loyalty to the children and to their profession will lead them to accept gladly any modifications of their work which give reasonable promise of better results.

At the opening of the kindergartens last September the two-session plan was inaugurated and the classes were divided so as to have one section or division attend the morning session and the other the afternoon session. As the morning session is somewhat longer than that of the afternoon, the divisions change sessions during the last half of the year, thus equalizing both time and opportunities. The two-session plan has several advantages over the usual one-session plan. First, the kindergartner has a much smaller number of children to care for at one time. Formerly the number was thirty or more, now it is about twenty. Again, the total number accommodated is much larger. Usually there have been long waiting lists of children who desired to enter but could not be admitted because the rooms were already overcrowded. This year the enrollment is over three hundred fifty more than last year, and yet there are not as many kindergartners, and the over-crowding has almost entirely disappeared. Finally, the plan is much more economical. Nearly forty-seven per cent more children have been provided for under far more favorable conditions with less teachers and only two-thirds as many children present at each session, which has not only reduced the strain upon the teacher but increased the efficiency of her work. The kindergarten plant or equipment has been more fully utilized, and the kindergartners have been more profitably employed.

When the two-session plan was proposed some of the kindergartners said their work was so strenuous—required such high nervous tension—that they could not teach two sessions a day without breaking down. But, as their work, when done in a quiet, natural, desirable way, is no more severe or exhausting than that of the primary teacher, this fear did not seem well grounded. Of course, if the kindergartner conceives it to be her function to entertain and excite her pupils, constantly occupying their attention and directing their every thought and act, leaving them no time for quiet investigation or spontaneous activity, if she creates an artificial world full of excitement and sentimentality, a world as false and injurious to the mind of a child as to the mind of a man, her work will be not only a serious drain upon her own strength but a severe and unwholesome tax upon the nerves of the children. But, if she finds her chief duty and pleasure in providing the children with appropriate means and healthful conditions for becoming acquainted with the wonderful world in which they live, for the full exercise of their nascent powers, and for living the normal life of children under the influence of kindness, happiness and good order, she will find much to reward her patience, refresh her mind, gladden her heart, and lighten her labor. Since, through his own unguided activity, the child learns much more before he comes to us than we seem able to teach him in the same length of time, why should we not respect nature's methods a little more and make it our chief business to provide for him broader fields for observation, better opportunities for happy and wholesome association with other children, safer and richer conditions for play, and wise and sympathetic guidance in his activity without stifling his spontaneity, starving his imagination, silencing his tongue, or marring his physical development?

As I see it, the first and most important aim of the kindergarten should be to promote the healthy growth of the child by natural play in the open air and sunlight. There should be various appropriate exercises for his unfolding powers, but much formal instruction is premature and out of place. At the kindergarten age, his normal development is largely according to physical laws. His bodily development and nervous organization must precede his intellectual and moral development, for all human education is conditioned upon the nervous system. Outside the vital functions, which are unconsciously performed, the brain of the kindergarten child is prepared for only sensory, motor and language training. The brain is developed and organized, or modified and educated, at this age, through the activity of the senses, muscles and organs of speech. Therefore, the proper work of the kindergarten is to provide appropriate sensory, motor and language training, under safe and hygienic conditions, and to foster the social nature of the child by surrounding him with the spirit and manners of a kind, intelligent and well-ordered home.

Although the kindergarten should be furnished with a large collection of playthings and objects of special interest to children, these objects should not be peculiar to the kindergarten nor unrelated to the real world outside. Materials and lessons, which have no counterpart or application in the history or the present life of the world, should be eliminated. Undoubtedly the knowledge which the children gather is elementary, fragmentary and often incorrect, but this does not justify haphazard teaching. The arrangement of lessons should always be orderly and the lessons themselves should always be true. Children may be illogical and unsystematic, but the teaching should not be so. Neither should the field of observation or sense-training be limited to the schoolroom even when well-equipped. Much time should be spent out-of-doors where the children can see the works of man and man at his work. Once a week, at least, the children ought to be taken on an excursion to entirely new fields where they may gather a new stock of experiences. This will not only give them much valuable first-hand knowledge but will furnish fresh interests and suggestions to stimulate their activities during subsequent days. The city kindergarten and the country kindergarten ought to change places often, as one needs more of the natural world and the other more of the artificial world. In every case, the radius of observation should extend over as large and as varied a field as possible.

In motor training the fundamental muscles should receive chief attention and the accessories should not be overworked. Neither fingers nor eyes can be set to fine employment without danger and rapid fatigue. There may be some manual or constructive work dealing with coarse materials and growing out of the gifts or the stories told the children, or out of their observations afield, but large opportunities should be provided for more active play—time for free frolics in which they exercise vigorously the whole body, get the tingle out of their muscles, expand their lungs, quicken their circulation, and work off their surplus energy; time for individual, imaginative or creative play in which each child works out his own designs, putting his thoughts into action or material form; and time for group-play, in which all play together, each taking the part assumed or assigned to him. Play is not only the best means of developing the child at this period of his life but also the most effective method of educating him. It is in spontaneous play that the child brings all his powers into action and does more for himself than anyone can do for him. Only provide him with suitable means, and then do not bother him. Let the play be supervised, but let the supervision be unobtrusive and cooperative.

The importance of language training in the kindergarten has not been fully appreciated, and, therefore, has often been neglected. At the most favorable time in the child's life for learning language—for acquiring words, correct forms, a pleasing tone of voice, and freedom in speech—his natural impulse to talk, to tell about his experiences, and to ask questions, has been too much repressed in the schoolroom. The children, instead of the teacher, ought to do most of the talking. In the development of the language center of the brain and in the acquisition of ease and accuracy in speech, the hand is almost as important as the ear or tongue. The fact that the language center ot right-handed persons is in the left hemisphere of the brain, and in the right hemisphere of left-handed persons, shows the very close relation of the hand to the development of speech. Gesture is a primitive kind of language, and acting is a natural art with children. Movement and feeling should always be conspicuous elements in their language. The language exercises should include conversation, story-telling, acting and singing. If there be any drawing, it should be either upon the blackboard or upon large sheets of paper with a brush. The kindergartner should be an excellent story-teller and her language should be in every respect—tone, pronunciation, thought, choice of words, and expression—a suitable model for the imitation of her pupils.

The Froebelian gifts were well chosen for the purpose for which Froebel intended them, but when his mathematical aims and his mystical and far-fetched notions of the significance of forms and numbers are abandoned, his gifts should also be abandoned or so modified as to serve well new and better purposes. The usual first gift is a worsted ball with a string attached. This gift is better adapted to the nursery than to the kindergarten. The kindergarten gifts should be appropriate introductions to various fields of human interest, and should be selected because of their fitness to stimulate the child's interest, imagination and creative effort. The lessons given upon the gifts should not go far, but they should be true as far as they go, so that they may stand the test of the child's experience in later years. Nothing could be more appropriate than the ball for the first kindergarten gift, not because it is a sphere, but because the ball is the universal plaything of the race, and because it is a favorite form in nature, extending up through myriads of objects from a grain of mustard seed to the celestial bodies. But instead of presenting to the children one kind of a ball and that the most uncommon and most unhygienic of all, a great variety of balls should be presented—large, small and medium sized; iron, lead, hardwood, softwood, solid rubber, hollow rubber, glass, marble, shot, baseball, tennis, billiard, golf, surf, polo, house, ping-pong, and as many more as possible. There should be a ball for every child.

Give the children time to examine the balls, exchanging with one another until each has examined the different kinds. Give them time to experiment and discover not only the common characteristics but the individual qualities and learn some of their names. Let the children see how many balls they can identify by sight, then by touch, and, perhaps, by hearing, when they fall to the floor. Having thoroughly examined the balls, the next step is to find what they can do. They can roll or run, bounce or jump, and fly when thrown. Let the children find the good strong runners and the weak runners, the good jumpers and the poor jumpers, the easy flyers and the hard flyers, the ones which play quietly and easily and the ones which play noisily and roughly. Some are unsafe and unpleasant playfellows. They play so noisily and roughly, hurt so much and do so much harm that they cannot be allowed to play very much. Thus, from the play of the balls, the children will learn impressive lessons which will favorably affect their own conduct.

Then there may be in the schoolroom or out-of-doors various games or contests with the balls—running, jumping and flying matches for accuracy or distance, the children being taught how to handle the balls properly. These games are very interesting to the children, teach them many valuable lessons, and give them much wholesome exercise. The next step is to take the children on walks or excursions for the purpose of finding things which resemble the ball in shape—fruits, seeds, nuts, vegetables, and other objects found most abundant in nature. Then will follow lessons upon the uses of these things and a large variety of plays and occupations, such as planting seeds, gathering nuts, selling fruit, feeding the birds, squirrels and other animals. In all this the children are becoming acquainted with nature and learning something of their obligations to the animals around them. From this sketch, which is merely suggestive, it will be seen how the gift may be made a very appropriate introduction to definite fields of observation, furnishing the children with the very kinds of activities for which they are prepared and the kindergartner with a progressive plan for developing her work. Because the plan is systematic it does not follow that the work should be formal or academic. It is the teacher's function to provide favorable conditions and to guide the children's activity, it is their function to observe and imitate and talk and play in a wholesome, normal way; hers to suggest more than to instruct, theirs to grow and develop like busy, happy children.

The cylinder, supplemented by the hemisphere and cone, may properly serve as the second gift and as a suitable introduction to the mechanical world, because it, or some modification of it, is the most common, if not the most important factor in that world—the world of motion, of service and of strength, a world largely created by man's invention to aid him in his work. It is found in nearly all tools and machines from a hammer or a rolling pin to a steam turbine or cylinder press, nearly all vehicles from a wheelbarrow to a locomotive, all lines of communication from a telegraph wire to an ocean cable, nearly all conveyances of fluids from a water bucket to a sewer pipe, nearly all means of projecting missiles from a baseball bat to a cannon, all cordage from a thread to a hawser, nearly all supports from the walking staff of the infirm to the giant columns of great buildings, nails, bolts, rods and hinges, and even the current coin of the realm. This list is by no means exhaustive.

The hemisphere and cone, especially when hollow, appropriately continue the lessons in nature and play, and introduce the subject of homes—homes of various insects, birds, animals, and primitive men. They suggest certain flowers, fruits, vegetables, nuts, and outlines of trees; tops, May baskets, cornucopias, and paper hats; nests, caves, Eskimo huts, wigwams and tents; dishes, baskets, cradles and boats.

The second gift should be followed by a large and varied collection of toys—tops, cars, wagons, fire engines, doll carriages, dishes, cradles, boats, wheels, rollers, strings, and a score of other things of a mechanical nature; also a sand table and modeling clay or plasticine.

The presentation of the second gift and the development of the lessons connected with it should be similar in order and method to those of the first gift.

The cube and brick-shaped block, supplemented by the triangular prism and square pyramid, may well be the third gift and serve as an introduction to the world of architecture and of building of all kinds—walls, dams, bridges, lighthouses, forts and monuments as well as all sorts of buildings. The blocks should be largely of wood and stone with some small pieces of iron and wood for beams. There are many kinds of tile which are not only very attractive in themselves but well adapted in form and size for kindergarten use. The prism and pyramid are to serve primarily for roofs, spires or steeples. In the collection, however, there should be a glass prism for the purpose of producing the solar spectrum by separating a beam of sunlight into its component colors. This naturally introduces the color work of the kindergarten. Up to this time, color and color language should be only incidental, but now there may be many interesting exercises with standard colors. This gift also suggests the mineral world—pretty stones and crystal forms.

The third gift should be closely followed by the best set of building blocks to be had. There should also be a generous supply of pieces of lathes, boards and other forms of wood, also strings, hammers, nails and such things as children find very useful in their constructive efforts. It would be well to have sets of alphabet blocks, not for the purpose of giving formal lessons in reading, but that the children may become familiar with the letters and may use them for signs on stores, railroad stations and other buildings.

The occupations ought to grow naturally out of the observations and language work of the children. They should be prompted by the children's imitative and creative instincts, and in it all there should be an end and purpose in view, which appeals to the children and makes them feel that what they are doing is worth while. Peg-sticking, bead-stringing, stick-laying and the like, as they are often done, do not meet this requirement. To cast into ruin the creations of a child or require him to do so, is wrong in teaching and bad for the child. Usually it is better to leave the child to his own choice of employment than to require him to do something in which he is not interested, just to keep him busy. The difference between work and play lies in the mental attitude, not in the character of the thing done. Spontaneous action is play, compulsory action is work. One draws lightly upon the energy, the other fatigues rapidly.

There are five distinct steps in the development of the work based upon each gift: 1. The presentation of the gift which should be as fully representative of its field as possible, the children being allowed ample time to examine at the tables the various objects and to talk about them in order to discover their qualities and add to their own stock of sense percepts. 2. A series of exercises in which the children play with the objects and find out what they will do or what can be done with them, introducing many exercises suggesting practical uses of similar things. 3. Walks or excursions with the children in order that they may find both natural and artificial forms resembling the gift and observe their uses. 4. Occupations in the kindergarten room or on the playground, which grow naturally out of the observations of the children and which give exercise to their imagination as well as to their imitative and creative instincts. 5. Language exercises based upon or suggested by things observed, and including conversations, stories, songs, individual accounts of experiences, and acting interesting scenes.

Thus it appears that a well-balanced kindergarten program should not only provide for suitable sensory, motor and language exercise, but should also broaden as far as possible the child's experience by including all types of play, observation of nature in its various aspects, contact with the artificial world at many points, and ample opportunity for the imagination to express itself in imitative and creative effort. It is not formal instruction that the children need but rich fields for observation and freedom for spontaneous reaction in a perfectly natural and childlike way.

Finally, and after all that has been said, it must always be remembered that the kindergarten is a child-garden and that the fundamental and all-important thing to keep in mind is, that all means and methods, all plans, devices and exercises must conform to the child and serve his needs, must promote his health and normal development without neglect or over-pressure. His individuality and spontaneity must be respected. The kindergartner is the skilled gardener and her chief business is to control conditions, to supply the necessary means of growth, and to care for the unfolding plants with intelligent and sympathetic interest.

A word should be said in appreciation and commendation of our kindergartners for their patience, good sense and general loyalty during the trying period of reconstruction. At first, many were fearful, if not discouraged at the prospect; but, after the destructive criticism was passed and the constructive plan began to unfold, they soon recovered their usual confidence, cheerfulness and devotion. They have undertaken the new work with interest, many with enthusiasm, and are working intelligently upon their programs. It will take some time to perfect the details of the new system, but the loyal coöperation of the kindergartners will shorten the time and insure its ultimate success.

Your careful attention is called to the report of Miss Lewis, Supervisor of Primary Schools and Kindergartens, which follows:—

REPORT OF THE SUPERVISOR OF PRIMARY SCHOOLS AND KINDERGARTENS

The many individual promotions made during last year left the grades somewhat irregular both in numbers and preparation, but having promoted the last section of the third year grade in June, we were able to begin in September with each class well up to the work laid out for it in the course of study. This made progress much easier, while the thought of the next promotion, which seemed so near to them, kept the children enthusiastic and diligent; and the interest of the parents did not abate. This interest and coöperation is of the greatest value to the schools. Even the youngest children show that their daily lessons and chances for success are subjects discussed at home. Individual promotions during the term evened up the grades and also gave the foreign-speaking children and those who came from outside schools an opportunity for rapid advancement without losing any of the prescribed work.

Three hundred four pupils entered the lowest grammar grade in December, 1911, and four hundred twelve more in March, 1912. Many of these children had been in the primary schools less than three years. Keeping a child back to repeat the work of his grade because of illness or for any other reason is no longer the tragedy it was. He repeats but three months' work, and that while the teaching is fresh in his mind. The grading now fits into the course of study; the teachers are well pleased with it and work with great enthusiasm for its success and to increase its efficiency.

Perhaps the most noticeable thing about the work of the past year has been the added pleasure that the children have been taking in it—and to make primary work at all successful it must be attractive and interesting. Much has been gained in this direction by the longer time allowed for story telling, dramatization and illustration connected with the language lessons, as well as by the out-of-door play and excursions.

With greater power in phonetics and a good supply of attractive books, reading is no longer a task but a temptation to be guarded against that other subjects may not be neglected. Even the youngest children are doing independent work for the love of it and because they can do it well.

We are finding the first grade children, who enter at six years of age, much easier to teach; and, as they are accomplishing more work and saving time by being able to help themselves, we may hope to have them finish the primary course at an average age not much greater than when they entered at five years of age. The number of children left to repeat any portion of the first year's work will be greatly reduced this year, we feel sure. The grade that has just entered the grammar school showed a great gain in written language and number, and the children's interest in all their work is as evident as it is gratifying.

The need of safe and suitable places to which the children may resort for recreation when not in school grows ever more evident as the number of apartment houses in the districts increases.

KINDERGARTENS

Provision was made for the large increase in the number of kindergarten pupils, from seven hundred fifty-seven to eleven hundred nine, by establishing afternoon sessions in all the kindergartens—the children being divided into two groups as are the children of the first primary year. This change necessitated the dropping of much of the visiting to the homes of the children as well as the mothers' meetings. Considerable visiting is still done by the teachers, when they feel it will be helpful, and one mothers' club, refusing to disband, hold their very excellent and helpful meetings after school hours. The children staying in kindergarten until they are six years old has made it possible to have many exercises introduced for which they were formerly too young. The new gifts just introduced are being successfully used by the teachers; and they are proving very enjoyable to the children. There is no doubt that when the children have had time for practice they will show much intelligence and ingenuity in handling them. The opportunity for language and story-telling has increased because of a smaller attendance at each session. The children are learning to sing more independently, and the music has greatly improved. Folk-dances have been introduced into all the kindergartens and are very well done. On the whole, the children, being older, are better able than formerly to care for themselves and to follow directions. Much more time is spent in letting the children visit places which will instruct and interest them. With two exceptions, the kindergartens have found suitable places for out-of-door play, and these two supplement their narrow quarters by frequent walks and excursions. They also get invitations to visit playgrounds and private gardens in their neighborhood, of which they are glad to avail themselves. The pleasure and profit gained in these excursions have been increased by the welcome accorded to the classes. Blacksmith, carpenter, storekeeper and others have kindly contributed to their instruction. The work of the teachers is enthusiastic and devoted, and the results are most encouraging. The children's work has been simplified; but it is done more independently and seems to give them great satisfaction.

Respectfully submitted,

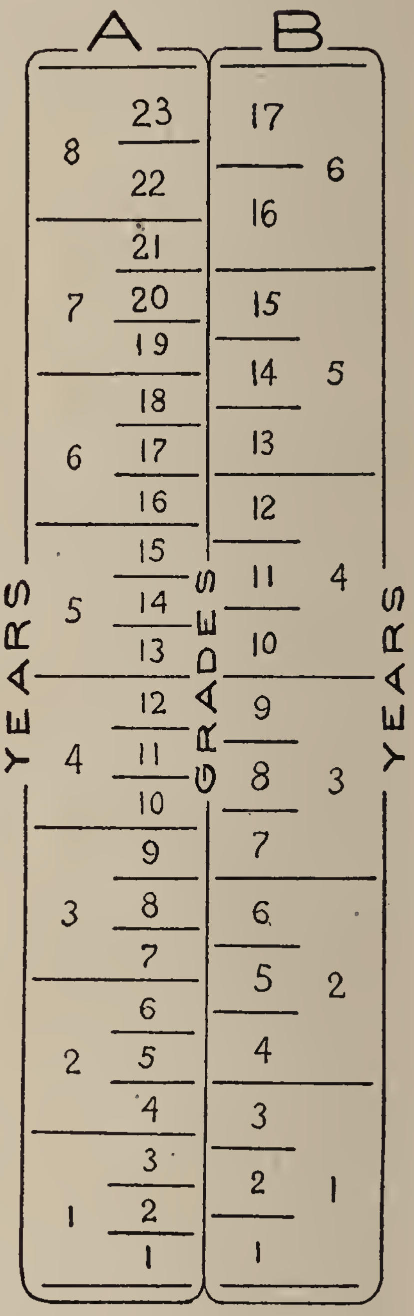
MARY A. LEWIS,

Supervisor of Primary Schools and Kindergartens.

GRADATION AND PROMOTION

Last year a new plan of gradation and promotion was outlined. The plan as worked out and put into operation during the past year is as follows:—

The accompanying figure will aid in describing and in understanding the scheme. The basal course, marked A, covers a period of eight years, the work of each year except the last being divided into three grades, or twenty-three grades in all, each grade covering the work of about three months. There is a parallel or supplementary course, marked B, covering the same work in six years. In it there are seventeen grades, the work assigned to each grade being one-third more than to each grade of the basal course. That is, pupils in the supplementary course are expected to do *nearly* as much in six months as those in the basal course do in nine; or, stated from the other side, pupils in the basal course are required to do only two-thirds as much work in a given time as those in the supplementary course. In each course there are three promotions a year, except the last. This modification in the last year is due to the fact that pupils are admitted to the high schools only twice a year, and that the last five months in the grammar schools are devoted largely to a thorough review of the essentials of the elementary school subjects.



According to this plan, if a pupil fails to do the work of his grade satisfactorily, he is required to repeat for only three months, at the end of which time he has another chance for promotion. If he is in the supplementary course and fails to keep up, he may be transferred to the basal course with a maximum loss of only two months. Once each year the transfer may be made with the loss of only one month, and once each year without any loss of time whatever. Pupils in the basal course who are able to do more work than is required of them there, may be transferred to the supplementary course at any time by repeating at most two months' work. Beginning with the third grade, the transfer may be made at the end of every fourth grade by reviewing the work of one month, and, at the end of every fourth grade, the transfer can be made without any review. Thus it is possible by passing from one course to the other to vary the rate of progress, to meet a great variety of needs and to do it without omitting any subject and without loss of time. The shortness of the grades and the frequency of promotions greatly improve attendance and stimulate effort. As one principal has put it, "It is an effective scheme for the elimination of the lazy." The period of review for those who fail to be promoted is not long enough to dishearten the pupils, or drive them out of school. In three months there is always another chance. This seems to them and to their parents quite different from a year, and so they go to work with new determination and increased effort. Moreover, the reviews always come at the end of short periods before the pupils have lost the impressions received from their first study of the subjects. The second impression is made before the first is obliterated, either by the length of time or by a change of subject matter.

The feature of this plan which is likely to impress many unfavorably at first, is the assignment of more than one grade to a room, except in large buildings. But further consideration will reveal some compensating advantages. Generally, teachers occupy too much of the time and attention of their pupils, giving the children too little time for study and the preparation of their work. There is so much teaching that the children do not learn how to study, so much explanation and help that they do not acquire independence and the power to master difficulties alone. After the teaching, assistance should be given only in individual cases, not to the whole class. If the whole class needs it, either the teaching has been inefficient or the work is too hard. There is also too much lesson-hearing or recitation and too little lesson-preparing. Usually, more time is given to recitation than to preparation, a practice that can hardly be defended by any sound reasoning. Pupils should be taught how to prepare their lessons—how to use books, where to find the information desired, how to pick out the essential matter and how to arrange it in orderly form. When there are two or more grades in a room, the upper grades learn much in review from the lower ones, while the lower grades in turn learn much from those in advance.

Under this plan, children are admitted to the first grade at any time during the year, provided they are at least six years of age, and there is an outlet into the high school twice a year for those who have completed the course. It closes up the break between the grammar and high schools, and allows pupils to pass uninterruptedly from one to the other as soon as prepared, just as they have passed from grade to grade in the elementary schools.

The practical application of the plan has already brought out some interesting facts. First, that many children are able to advance in their school work much faster than is generally believed, and this, too, without any overpressure whatever. In fact, these children are much more interested and happy when allowed to work at their natural speed and capacity. They chafe and become discontented when held back to the pace of their slower classmates. Second, the awakening and stimulating effect upon the naturally slow and indifferent child has been very apparent. Third, by sending the prepared pupils of the upper class to the high school in February, the teacher of this class has about six weeks for careful individual work with the remainder and slower portion of the class before other pupils are promoted in March. Fourth, by fixing the entrance age at six years and by admitting pupils on any day of the school year, great waste, to say nothing of the injury to the children in trying to get immature pupils to do work which they cannot understand and for which they are entirely unprepared, is avoided, and a very helpful nucleus, accustomed to school work and unconsciously serving as guides to the newcomers, is always present in each class. The teacher is never overwhelmed with forty or fifty beginners, untamed and totally ignorant of what is expected of them. Here, again, much time and energy are saved.

Some persons seem to have the impression that the children are being hurried. A careful examination of the plan and its working will convince any unprejudiced person that this fear is absolutely groundless. Unless the pupil is promoted more than three times a year in the basal course, he is advancing only as fast as by annual promotions under the old plan. Even in the supplementary course regular promotions do not hurry the child as much as did the A, B and C classes under the old plan, because now he is never expected to do more than one and one-third as much work as the basal course requires, while formerly he was expected at times to do twice as much. The advantage of the new plan is that it distributes the additional work over the entire supplementary course instead of crowding it into three years.

The claim that the teachers are overworked under the new plan is also groundless. This claim is made by comparatively few teachers, and they are not among the most efficient. The fact is the teachers generally like and approve the plan. In any case the time has not come for a final verdict upon its merits. The plan calls for industry and the elimination of waste of time—for business-like and effective effort—but requires no hurrying on the part of those who work intelligently and faithfully each day. The pressure, even in the supplementary course, is much less than it was upon the special teachers under the old plan.

Many favorable opinions have been expressed by parents, teachers and principals, samples of which are as follows:—

It gives the bright pupils opportunity to advance as fast as their ability allows. It makes closer grading possible. Children entering from other schools are better placed. Foreigners, who are older than the average of their class, advance rapidly after learning our language. It gives pupils, who for any cause have failed to be promoted, an opportunity to advance at the end of three months. Less time is lost by repeating work. By repeating unsatisfactory work while the first impressions are fresh the pupils are able to master it more thoroughly. Often the thirteen weeks' review fits a pupil to do good work in the subsequent grades. It saves time in cases of long absence. It encourages and saves time of slow pupils. The advancement of slow pupils becomes apparent. Slow pupils show much more ambition. It has lessened the time required to complete the course for both bright and backward pupils. Fewer pupils become discouraged and leave school. It economizes time and money. It gives all an immediate incentive to apply themselves and do their best work. Some pupils are stimulated to greater effort and get on well without special help. It increases the interest both of teachers and pupils. It keeps the work alive. Before interest flags there is a new start. Teachers feel more interested in each child. It causes the teacher to do more intensive work. Teachers work at greater speed. It makes discipline easier. It promotes good order. It promotes better attendance. The children are thrown more upon their own responsibility and gain power in independent study, when there are two divisions in a room. There is more individual work. The pupils are learning to work better. A frequent change of teachers is a benefit in some cases. It secures better cooperation of parents. It reduces friction with parents over promotions. Parents show more interest in the advancement of their children. The work is more uniform and finished. It is ideal where there are only one or two grades in a room. I hope it will stand with little change. I have seen no unsatisfactory working of the plan. I find no unsatisfactory results which time has not or will not remedy. The plan will work out all right as soon as the principals become accustomed to it.

THE HIGH SCHOOLS

The growth of these schools during the last three years has been remarkable, there being about seven hundred more pupils enrolled this year than there were in 1908. The enrolment in the High and Latin School has increased over forty-five per cent, and that of the Rindge Technical has increased over twenty-seven per cent, notwithstanding the removal of the commercial course. This growth is not due to the increase in the population of the city, but to a new interest in secondary education both on the part of pupils and of parents. The schools have also been improved in various ways—new courses have been added, the old courses have been made to conform to the best standards of the day, the organization has been made more flexible and at the same time brought to a high degree of efficiency, not only by eliminating duplicate courses but by preventing much loss of time. The methods of government in these schools appeal to the self-respect of the pupils and develop their self-control, thus securing their loyal cooperation and promoting a spirit of industry and good order. The head masters in these schools rank among the best in the State and the corps of teachers are exceptionally strong, considering the inadequacy of the salaries paid. Although the city has reason to be proud of its high schools, three things are greatly needed to complete their usefulness—more room, especially for the High and Latin School, a trade course for girls, and a suitable lunch department in each school.

Your careful attention is called to the reports of the head masters, which follow:—

HIGH AND LATIN SCHOOL

I herewith submit a report of the High and Latin School for the past year:—

The registration on the first of February was 1,510. A class of two hundred five entered the sixth of February, 1912. This, with ten new pupils from other schools entering at the same time, makes a total registration for the year of 1,725. The total is distributed by courses as follows: College Preparatory 626, Commercial 772, Normal 165, General 104, Scientific 19, Domestic Science 39. The College Preparatory and Commercial Courses are chosen by the great majority of the school. Last year thirty-six per cent were in the former, and thirty-eight per cent in the latter course, while the choices this year show a proportion of thirty-six per cent and forty-four per cent respectively.

All courses are arranged on a four year basis, which means that the average student should complete a course in that time. Each subject is given a definite value in diploma credits. The satisfactory accomplishment of work amounting to one hundred and sixty credits entitles the pupil to a diploma in the course pursued. Graduation from the college preparatory course, however, does not necessarily mean that a boy is ready to enter college any more than graduation from the commercial course means that he is prepared to take a responsible business position. His preparation in either case is determined more largely by the quality than by the quantity of the school work. Preparation for Harvard and Radcliffe will often demand four and a half or five years. The new method of admission, inaugurated by these institutions a year ago, makes a strong appeal to the high grade pupil, as great stress is put upon the school record. The boy who does only fair work, although later years may find him a man of great ability, will probably prefer to enter Harvard by the old method of passing twenty-six points. The public schools and the colleges are not institutions primarily aiming to eliminate all who fail to do good work. They realize that poor work in youth does not necessarily mean inefficiency in mature years. They desire not only to aid those already strong and ambitious, but to offer every opportunity to the weak and indifferent to become stronger and more earnest. For this reason, their standard of promotion, which is often sixty per cent on the scale of one hundred, allows many a student to graduate who has not done efficient work. The justification of such a policy lies in the fact that it enables a great number to receive a liberal education.

During the past year, the courses of the High and Latin School have been arranged on a half year basis. This means promotion in February as well as in June. It does not mean, however, a shortening of courses, neither does it enable a student to complete his work more quickly than before, except that he may begin a new subject in the middle of the year, should time and ability permit. The teachers say that the readjustment of classes in February according to the record of the first half year means an improvement in the work done during the second half. Pupils who have failed in a subject during the first five months are not compelled to remain in classes where the work is beyond them, but can start anew with good hope for success. This makes it possible for them to save a half year's time in the subject. On the other hand, those who gain promotion can continue the work with better results. The experience thus far seems to thoroughly justify the system.

The registration figures given in this report show that the school has two hundred ninety-two more pupils than a year ago. Such a rate of increase makes almost imperative the need of more room for class work another year. It is possible to accommodate a larger number with study room by placing more desks in some rooms and by furnishing three small recitation rooms, but this will not increase the number of classrooms. While several classes can study together they must have separate rooms for recitations. With very few exceptions every room in the two buildings is used every period in the day. At present, there is necessarily much passing between the buildings. Except in the cold months, this is out-of-doors, and is probably beneficial in some degree. The chief objection, in good weather, is the excessive amount of going up and down stairs made necessary. This is often a serious objection. The temporary shelter connecting the buildings is not heated. It is small and has but a single door at each end. A congestion results which not only causes much loss of time, but may easily lead to bodily injury. Last fall, an estimate was made of the number going from one building to the other in a single session. A Thursday session was selected because a chorus of two hundred and fifty meets in the Latin building that day. Taking a student going one way as a unit, twenty-two hundred fifty-five students changed during the session. Since then, over two hundred new pupils have entered the school. If the Trowbridge Street wings of the buildings could be united by a three-story structure, pupils could pass from one building to the other without using the stairs, the present unfortunate congestion would be eliminated, and more room be gained for class work.

Last year's report gave considerable attention to school athletics and their place in school life. The subject is one of vital interest and must remain so. School boys will have teams. They are at the team age. The question is one of control. If certain sports are recognized as a reasonable form of school activity, firm control should be exercised. Pupils do not object to this, provided it be fair and sympathetic. Such control demands three things: Adequate coaching of teams, in order that games may be played skillfully and with a minimum amount of danger, wise eligibility, rules firmly enforced, and a responsible management of all business matters. Adequate coaching can only be secured by the employment of men trained for the work. It cannot be satisfactorily done by some master, who teaches during school hours, unless he has the necessary training and is distinctly engaged for both tasks. If the coach is the right sort of man, is given definite responsibilities and is held to them, he exerts a tremendous influence for good on school life. Experience has shown the wisdom of having a master act as advising manager of all teams. He approves all business arrangements before they are finally settled, accompanies the teams to games, and, in general, looks after the whole conduct of school contests. Such attention consumes a great deal of time and energy. If you feel that teacher-managing is necessary, I respectfully suggest that the service be remunerated. The school authorities of Cambridge recognize the good which may come from properly controlled athletic activities and have ruled upon their control by forming a committee of supervision. With the approval of this committee, another committee has been organized in the High and Latin School to look after the details of athletics in that school. This committee is composed of four boys elected by the boys of the two upper classes and three masters appointed by the head master. One of the masters acts as teacher-manager and another as treasurer. The committee looks upon its duties as serious and thus far has acted with dignity and wisdom.

The purpose underlying the whole administration of the school is, of course, to help its pupils most effectively. This can be done by training them to look upon their school as their place of business where they are working in cordial good fellowship with their instructors. The regulations are largely those found necessary in any business establishment, and their need is almost self-evident to the pupil. All discipline aims at developing self-control, and its success must be measured in terms of that power. When a school becomes a thoroughly business-like institution with high ideals, its pupils will not only gain more from their studies, but will grow more in initiative and moral fibre.

In closing this brief report, allow me to again bear testimony to the splendid support of my teachers and to express my appreciation of your own criticisms.

Respectfully submitted,

LESLIE L. CLEVELAND,

Head Master Cambridge High and Latin School.

RINDGE TECHNICAL SCHOOL

Progress at the Rindge Technical School during the past year has been so rapid that it is a little difficult to pick out those parts which are most important.

Perhaps the most noteworthy addition to our course of study is the introduction of printing, a trade of the utmost importance in Cambridge, which has never before received recognition in the schools. A shop, equipped with a small press, stands, cases and type, has been in operation since September, under the direction of an instructor who has had a varied and complete practical training in the trade. The result of our first year's experience has shown us that there is a strong desire shown by the boys to study printing, that the work is a valuable addition to the shop training previously offered, and that the department of printing is capable of almost indefinite expansion. Much of the work produced has been of considerable value in the various departments of the school. At the end of the first half year the printing of the school paper was undertaken by this department, as the managers of the paper were contemplating its discontinuance on account of lack of financial support. The success of the printing department has been sufficient to warrant the furnishing of an additional shop during the coming year, in order that all the boys who wish to take printing may be accommodated, and that more advanced composition and press work may be attempted.

Another important venture inaugurated this year is the new trade course. This course differs from any previously offered in that a large amount of shop work is made possible by the lengthening of the school day, that the academic work is closely related to the trade studied, that on account of the long school day no "home lessons" are required, and that boys who have not graduated from the grammar school may enter the course under certain conditions. When the course is fully developed it is planned to use each of the shops for trade training. The first year, however, it was deemed wise to begin only with the printing department, and to add other branches as the demand for this kind of instruction increased. The work in English, science, mathematics, history, drawing and physical training is done in the morning, an hour is allowed for lunch, and the afternoon is devoted to shop work. One gratifying condition has developed, which is greatly to the credit of the democratic spirit of the boys of the school, namely, that the boys of the trade course are welcomed into complete fellowship by their schoolmates, and possess all of the rights and privileges accorded to any of the boys.

Another course, which has proved very attractive, is that in electricity. The very word "electricity" has a mystery and charm for the average boy that is almost irresistible. The new course, when fully developed, should meet the wishes of such boys to the fullest possible extent. The actual study of the theory and practice of electricity is planned for the junior and senior years, so that, thus far, only one-half of the course has been put into operation. The large room in the science building, formerly used for banking and office practice, has been used during the present year for an electrical laboratory. Here the boys have installed bells, electric lights, burglar alarms, door openers, telephones and many other practical electrical appliances. This practical work is to be supplemented during the senior year by a thorough course in electrical measurements, and in the care of motors, dynamos, transformers, arc lights, etc. To get the greatest possible benefit from this advanced work the equipment now on hand should be enlarged by the addition of two motor generator sets and electrical measuring instruments. Much of the other equipment needed may be built in the shops, where we have now in process of construction a one-horse power motor, a transformer and several spark coils.

Up to the present year, boys have been allowed to choose the course which they wish to follow, but could not elect the various subjects to make up this course. Beginning with this year, however, some little freedom of electives has been allowed, only those subjects being required which seemed absolutely essential for every boy to study. The result of this elective system has been gratifying beyond expectation. It allows, in the first place, the selection by the boy of just such subjects as meet his own peculiar, individual tastes. It means the possibility of grouping the various subjects together in such a way as to give the whole course a specific and definite purpose, as in the electrical course noted above. The result is an added interest and zest in the work. The vocational interest is very strong with most boys, and the possibility of thus grouping the courses gives it full expression.

The full effect of the entrance of boys from the grammar school in the middle of the year has been felt this year. The most obvious result has been that instead of one promotion in this school each year there are two. The effects of this mid-year promotion are very obvious in at least two directions. In the first place, it acts as an incentive to more regular work during the first half year, as neglect at any time during this period may mean loss of promotion. Again, the formation of new classes in the middle of the year creates a better condition both for the boys who are able to do the work and for those who are not. The reorganization of the classes, by eliminating those who are unable to keep up with the work, allows the remainder to make better progress. The others, placed in classes by themselves, where they can be given special attention, are also much better off. Thus better and more systematic work is obtained from all.

Finally, graduation has been placed upon a more definite basis than before. Each subject is given a certain amount of credit, 160 credits being required for graduation. The requirement is moderate, but just and reasonable. The result of such a system is that each boy understands clearly what his position is with reference to his classmates and to graduation. This also acts as an incentive to greater effort. It is a real satisfaction to have found incentives for the boy who is not going to college to do as much and as thorough work as his mates who have constantly before them the final test of college examinations. That there has always been this strongly marked difference between college and general classes will be acknowledged by any thoughtful teacher, and anything which tends to produce better conditions throughout all the work of the school is certainly welcome.

At the beginning of the year a proposition was made by Harvard College that the young men in the Graduate School of Business Administration be allowed to apply the new methods of industrial organization in a practical manner in our shops. Permission having been granted them, plans were made whereby several experts were secured to lecture on shop management, and to oversee the practical work at the school. Some of these men are of the highest standing in this line of work. The first project was a reorganization of the methods of conducting the tool and stock rooms. A room in the basement of the shop building, easily accessible to all of the shops, was cleared out for this purpose. In this room have been placed a number of standard cases, built by the boys, in which are to be placed all stores ordered for the shops. With each lot of articles in the storeroom is a record so made out that the amount on hand is always shown, together with the minimum amount which should always be on hand. Whenever the number of articles is reduced to this amount a new order is placed so that no article will ever be present either in too large or too small quantity. This teaches proper methods of shop management, as well as of shop work itself.

Besides this new feature of the work, however, much has been done to make the shops more productive and the work more valuable and instructive. During the year each department of the school has produced a larger number of machines, cases, scientific instruments, etc., than ever before. For example, the machine shop has built machinery for each of the shops and for the science department, while the wood-working department has built shelves and cases for the other departments. All these things are made in addition to the pieces of furniture and other things which the boys make for themselves. Some of these projects are, of course, rather more complicated than the machinery now in the shops warrants, and many things are impossible for us because our machines were purchased for exercise work. I would strongly recommend for our machine shop for the coming year the replacing of the worn-out milling machine by a new universal milling machine and the addition of a lathe with at least a 24-inch swing, and for the pattern shop, the purchase of a planer and jointer.

During the year a distinct improvement has been made in our accommodations for athletic and physical training by the installation of a new hose shower bath, and the preparation of a room for dressing purposes. Both are used for the athletic teams and the classes in physical training. Although about one hundred fifty boys elected physical training it has been possible for the physical director to take care of only fifty. The games and exercises have been held in the basement of the Washington building, but as soon as the weather permits, the class will be taken out-of-doors. The great benefits gained by the boys in this class make it extremely desirable that the large mass of boys now excluded be given an opportunity to participate.

The most pressing needs are for the new equipments mentioned above, and for a salary schedule which will allow us to retain the services of the highly successful teachers. The process of training young teachers to a point of high efficiency and usefulness only to have some other community reap the benefits is both discouraging and wasteful.

Respectfully submitted,

JOHN W. WOOD, Jr.,

Head Master Rindge Technical School.

PHYSICAL EDUCATION

Physical education is a fundamentally important part of the complete education of a child. Many persons do not appreciate the very close relation of mind and body nor fully recognize the dependence of mental vigor, of business success, of social enjoyment, and of civic and moral usefulness upon sound health. Those who would make most of themselves intellectually will certainly make much of themselves physically, and those who are responsible for the education of children will look well to its physical basis—the growth and healthy development of those children.

The old conception that physical education was for the purpose of training the strong and vigorous to skill and endurance along certain athletic lines still survives, but according to the modern and much more scientific conception it is for all boys and girls, especially for the weak and poorly developed, and athletics are only a minor feature of the work. Formerly, the successful athlete was supposed to have the necessary knowledge and skill for directing the physical training of others and often was employed for that purpose. Wherever this has been tried physical education has been a failure. Today the competent director of physical education must be not only familiar with anatomy, physiology and the laws of health, but with psychology, pedagogy and the laws of human development as well. He must not only know how to handle the strong so as to keep them strong and prevent them from overstrain and one-sided development, but he must know how to strengthen the weak, correct their defects, and secure the best possible development in each case. He is far more interested in the physical welfare of all the children than in the exceptional achievements of a few, much more solicitous for those who need his services most than for those who need it least. If all were strong and healthy and athletic, his work would at once become more simple and less important.

Special training for athletic contests before general development is unwise and ultimately defeats its own ends. General training for good health and long life, rather than for championships, finally results in greater success even in the athletic field, and larger numbers receive its benefits. To conduct physical training along special lines for athletic purposes would be like drilling a child in a single subject for the sole purpose of passing examinations. Such a course may be training, but it is not education in any desirable sense. The primary ends of physical education are ignored and the welfare of all is sacrificed to an undesirable kind of training for a few.

This does not mean that scientific physical education does not appreciate or favor athletic games and sports. It does appreciate them at their true value and favors them under proper conditions. In fact, it makes large use of them not as ends but as means of such training. Strenuous contests must be entered, however, only after suitable general development and preliminary training. Field days are desirable occasionally for creating interest and for showing the results of the regular, more important, but less spectacular work. They are the exhibition days for the pleasure of the children and their friends, and large numbers should take part in them. The policy should be athletics for the sake of physical education, not physical education for the sake of athletics.

The moral element of physical education is a very important factor, although it often escapes the attention of spectators. Good health and normal development are in themselves favorable conditions for good temper, courage and manliness, and the consciousness of power makes kindness, justice and the protection of the weak much more easy. To interest children and youth in their own development, to stimulate an ambition for strong muscles, steady nerves, and a clear eye, to provide them with enjoyable and wholesome ways to expend their surplus energy, and to teach them to love cleanliness, the open air and an active life, is to ensure them against many evils. For them to learn self-control under the excitement of a strenuous contest, to insist upon playing the game fairly, to bear victory modestly and defeat cheerfully, neither boasting in one case nor taunting in the other, is a long step toward self-mastery and a just appreciation of the merits of others. It is a very desirable kind of education—a kind for which they will find constant use through all their lives, adding immensely to their own usefulness and to the world's happiness.

The full benefits of physical education in the schools cannot be realized until the playgrounds are graded, fenced and suitably equipped. Much has been done by the generous increase of the play areas about the schools. Now let them be put in such condition that they can be fully utilized.

Your careful attention is called to the report of Mr. Hermann, which follows:—

I beg to present to you my report for the Department of Physical Education. There has been noted by me a steady and general improvement of physical efficiency of the children of all the schools during school hours. This is undoubtedly due to the conscientious use by masters and teachers of the recreation exercises which were initiated in our schools during morning and afternoon recesses. The great value of organized recess physical training is generally acknowledged by our teachers who speak enthusiastically of the increased attention and interest in academic work. The opportunities for real wholesome muscular activities out-of-doors, the changed environment, the joyous atmosphere of many children at play under the open sky, with the wind blowing and the red blood coloring the cheeks could not help but prove attractive to both children and teachers. Organized recesses may therefore well be considered a most valuable contribution towards sane and safe school hygiene.

The rational development of this work is, however, considerably handicapped by lack of outdoor space and by a very inadequate development of the yards and playgrounds which surround our school buildings. In many instances the pursuit of the work was only possible by the ingenious use of corridors, halls, attics and basements. Such places, considered from a purely hygienic point of view, are a very poor substitute for outdoor play, yet they proved a comparative blessing, since we should not separate the education of a child's body from the education of his mind and moral nature. Even if the use of schoolrooms, corridors and attics cannot be hygienically as valuable as outdoor playgrounds, they are used because they insure at least wholesome muscular exercise and offer opportunities for the development of team spirit, hearty cooperation, true loyalty and efficient leadership.

There is today hardly need for arguing in favor of more outdoor school work, but there is still much need of a better understanding by the general public of the high educational value of motor-activities in the development of an efficient central nervous system, and the great influence which organized play may exert in the building of character. Organized recess exercises not only insure an equal opportunity for every child, be he weak or strong, but it gives the teacher an opportunity to know the real child—the child as he unbends during spontaneous action, as he unfolds during intense application and when close to nature. The schoolroom child is a product of an artificial environment. The playground child is a product of fundamental emotions and hereditary instincts. To get hygienic results with normal children no means can possibly surpass in value such vigorous outdoor activities as running, leaping, skipping, bending, twisting and reaching, especially if they are the result of spontaneous interest and unconscious application. We have, therefore, in the plays and games of children and the sports and athletic activities of youth a most excellent agent in maintaining physiological efficiency during school hours.

Play, then, as a method of recreation and of physical training is unsurpassed, because it uses established coördinations and fundamental muscles, especially if a variety of games are practiced. It develops vital and functional strength rather than mere muscular strength, on account of the large extent to which the majority of the big groups of muscles are involved. It is at least equal to gymnastics as far as these are used as preventive measures, because play and games are a fundamental demand in the life of young children, and it is only because school interferes too much with these fundamental elements of child-life that later corrective measures become necessary. If our educational methods and laboratories and machinery conformed more to elementary child life, less corrective measures would be needed.

But we appreciate also, since the advent of experimental psychology and pedagogy, that a rational, wholesome, safe and sane motor-life throughout childhood affects beneficially not only the child's health, in the commonly accepted sense of this term, but that it affects equally as favorably the intellectual and moral life. We appreciate more than ever that moral strength is dependent upon physical health, that character is in the main a "Plexus of motor habits," that "Man is what he does"; in other words, we know that in order to be really efficient men, we must not only be healthy in body but must have a healthy and rational mind. Rational, safe and sane mentality is the outcome of a rational motor-life, i.e., rational play-life. The motor experiences of childhood determine to a large extent our habits and our character.

Plato said, "The play of children has the mightiest influence on the maintenance or non-maintenance of laws." It is this emphasis on the benefit of play, this great ethical force, which the judges of juvenile courts see in the playground activities, and it is for this reason that I believe in making play a part of our school education. Unlike other cultural agencies, for the development of the moral side of man, we return to the fundamental activities of the body to get the highest type of character. If we once appreciate that mind, body and soul are interdependent, we shall see that the soul can best be reached through well-directed and organized physical activities in which the whole child is interested. Physical education offers more opportunities for ethical culture than any other ethical agency, because it never separates these three parts. Through play, the mind accumulates knowledge; by learning to abide by rules and laws of the game, we strengthen the will; by playing "fair" we develop character; by conquering odds, we grow in courage; by supporting our mates, we foster coöperation. It is by "playing the game" that one acquires chivalry, fosters civic virtue, and develops loyalty.

Self-management of play is the only management worth having. To bring this about, our play teachers must not only have the right point of view, but also the right capacity for organization. To organize the children into self-managing group units around various and diversified activities must be our main purpose. This will insure the broadest possible ethical influence. If our play leaders are merely teachers, if they merely direct the entertainment of the children, without bringing them hourly nearer the goal of self-management, they fail to attain the ultimate goal. If the sociability of the children and the enjoyment of play implements, etc., depend upon constant direction of teachers or leaders, if plays and games depend for their successful termination upon "umpiring" of instructors, if our present school methods of constant marshalling prevail on the playground, yes, even if the behavior of younger children is constantly controlled by older children, we have simply a modification of a police force.

Our school recesses offer a splendid opportunity for the development of good habits of play. To be sure, the large number of children which have to be accommodated makes this a hard problem during school hours, yet I find that organized recesses lead up to better free play and to good habits of recreation. It is the teacher's principal means of reaching the whole child. It helps the child by counteracting the evil effects of sedentary occupations, it fosters character and civic virtue, it develops the motor brain, makes intellectual training easier and the whole school life more attractive, and last but not least, it makes the teacher more attractive to the children, becoming as much a boon to the one as to the other.

We are more than ever learning that education for service demands on the part of the teacher a knowledge of the whole child and not a knowledge of his capacity for academic training alone. How are we going to know about the "wrinkles" in a child's character and how can we find out the "queer" habits he may be developing, unless we give him a chance to expose them? It is a teacher's business to iron out the wrinkles and to train away the queer habits.

One recess every morning and afternoon is, however, not enough for growing children. We have undoubtedly taken a decided step towards better school hygiene in the establishment of two organized recesses. I would most earnestly recommend the establishment of fifteen minutes with every forty-five minutes of sedentary work, for both grammar and high schools. If we had these hourly recreative intermissions, we could devote one recess to organized recreation and one to free play and spontaneous relaxation. A forty-five minute period of close application to intellectual work, with insufficient muscular activity, is the limit to which children should be subjected. If this were done in our schools it would soon be found that these hourly recreative intermissions would lead to a much more effective intellectual capacity, owing to greatly improved physiological efficiency. For this purpose it would be wise to lengthen the sessions both morning and afternoon, in order to retain the requisite time for book work. A growing child has but very limited powers of endurance, either purely physical or mental. It is incapable of a prolonged passive or semi-passive position of the body, and continued sitting postures are bound to put an unequal strain upon tender and undeveloped tissues. The central nervous system is as yet undeveloped and quite easily exhausted. Only frequent changes with wholesome and vigorous general muscular recreation can possibly bring about a safe and sane school life. It has been proved that even an additional five minutes added to ten minutes hourly recesses will result in greater mental efficiency.

With regard to that most important part of school hygiene, efficient ventilation, I am very pleased to report that we have established generally the "open window habit" throughout the summer and winter. The temperature in our schoolrooms has generally come down to safer levels. Yet many rooms are still kept too warm, and the heated air is still too dry. I beg to urge that the maximum temperature as set by the rules of the School Committee be carefully maintained at 65 degrees F., that all thermometers be suspended in the centre of the room two feet above the heads of the sitting children, and that a system be installed before next fall in every building, which will insure air with at least fifty per cent humidity.

We have now established in all the larger schools, but only for the older pupils, special classes which meet for one-half hour every week. These classes are made up of children whose physical development is in special need of corrective exercises or whose neuro-muscular efficiency is not what it should be. This work can only be done by specialists, and is therefore carried on by the director and the instructor in charge of the physical education of high school girls. This work should be greatly enlarged, not only because of the great need of reaching more children through such expert training, but also because the children need such work more than once a week. There cannot be any question that it is in the best interest of all our children that the director devote his time to the development of all our children. To this end he had best do only supervising and directing work. Yet the need for corrective exercises is so great that he found it imperative that he devote some time to those who were in special need.

For this same reason it is unjustifiable that the director devote, in proportion, more time to the high schools than to the other schools, and it is equally unjust that he devote special time in the interest of special athletics and sports. Yet in order to stimulate these most valuable means of physical education, the director gave one hour every morning to class work for high school boys and gave the same time and attention to track athletics. If we are to develop a continuous and progressive system of physical education, which starts with the kindergarten and continues through the high school, it is very necessary that the director be relieved of too much detail work and personal instruction of pupils. With the results which we are getting in our primary and grammar schools it is quite evident that we are beginning to gather a large crop of athletes who need special instruction in major sports and in standard forms of athletics. The boys in the upper grades and in the high schools are already coming out for athletics and sports in sufficient numbers to warrant us in giving them special attention. To take care of the special interests which present themselves on the one hand on account of the large number of weak children throughout the schools, and on the other hand on account of the increasing number of pupils who wish to participate in sports and athletics, I urge the appointment of assistants and the appropriation of money for coaches, who may be needed for some special forms of athletics. It is for the best interest of a system of physical education in a public school system that athletics become a part of the regular school work, and, for the larger importance of education for an efficient life, it is important that even the so-called "coaching" be a part of the general education. This cannot be done if coaches are hired by student bodies or, what is the same, by money raised by them. Unless the coaches become a part of the department of physical education that department should not be held responsible for the mental, moral and physical harm which must result from injudicious practice and over-indulgence in athletics and the waste of time which now goes with ordinary school athletics.

Two special classes for female teachers, one on Tuesday afternoons and one on Thursday evenings, were held throughout the winter in the gymnasium of the Latin School. A very fair percentage of our teachers availed themselves of this opportunity of maintaining or of improving their physical condition. A masters' class was held every Friday afternoon between four and six o'clock and continues to be heartily appreciated. This work cannot help reacting favorably upon the schools.

The director has prepared a comprehensive record-card for physical examinations and measurements. These examinations should be made annually in the spring. The cards are so arranged that they can follow the child through his whole school career. In addition to the usual history of the child, annual measurements and physical examinations, the cards provide for monthly weight records. This latter record is probably the most valuable test of the physical progress of children that could be made and alone would richly repay for the time and money expended. There is no other examination as valuable for following up continuous development or for detecting signs of disorders as regular weight tests. As soon as a child's weight is found to be standing still, or when found to fall off, the parents would be notified and urged to consult their medical advisers. It is my hope that the school authorities may approve of this plan. It would be necessary to employ a number of medical experts during the annual examination, and to supply each school with suitable weighing scales.

In closing I would make grateful acknowledgment of the splendid coöperation of the teachers and masters in all phases of physical education and school hygiene, and of your unfailing interest and kindly help.

Respectfully submitted,

ERNST HERMANN,

Director of Physical Education.

MUSIC

At the opening of the September term a revised course in music for both elementary and high schools was introduced. There were at least two reasons for the revision of the course—the adoption of an eight-year schedule for the elementary schools and the introduction of books into the third year. As some readjustment was necessary, a thorough reorganization seemed advisable. In the High and Latin School it seemed best to divide the class in harmony into two divisions in order to adapt the instruction better to the needs of pupils who elected this subject, some being unprepared for the regular course. Much more attention has been given to music in the Rindge Technical School, where it had been practically abandoned. The boys are now singing and are apparently enjoying it. New interest in music has been awakened and better work is being done in all grades. The new director has shown himself competent in all phases of this important art and is doing everything that good ability and hard work can do to make music in our schools both profitable and enjoyable. He has already given ample proof of the wisdom of his appointment. He is master of his duties, enthusiastic in his work, skillful in his teaching, attractive in his manner, devoted to the interests of the children, pleasant and gentlemanly in all his relations. The schools are fortunate in his service.

Your careful attention is called to Mr. Whoriskey's report, which follows:—

The new system of grading classes was already in effect in the elementary schools when I entered upon the duties of this office, but the plan of the course in music was the same as had existed under the old order.

The material in use included thirteen different books, besides the chart. Six of the books, designed to cover the first eight years of school life, belonged to the New Educational Music Course. Six others were rote song books. The remaining book, The Academy Song Book, was in use in the ninth year grades, which have since gone out of existence.

The outline issued in January was permitted to remain in order that its actual working might be observed. It was found that many teachers in the grammar grades had only a vague knowledge of what to do. As there was no detailed schedule of lessons provided, they were left more or less to their own devices. In some buildings two books of different grades were in use in the same room, and corresponding grades in different buildings were engaged on dissimilar work at the same time. Details of the instruction given were often omitted without authority, and there was no way of knowing at all times what each class was doing. There was a very crowded course in the fourth year.

The need of a general reorganization to meet modern conditions was imperative. From time to time certain methods of procedure were abolished and others substituted, but, to avoid disturbing the classes in midyear, the new plan in its entirety was not introduced until September.

The changes included the elimination of six of the seven rote song books; the readjustment of the entire course, so that the work would be well graded throughout; a new form of director's outline containing specific weekly assignments; the introduction of a teachers' desk book, "Music in the Public Schools"; the adoption of "Introductory Sight Singing Melodies," for the use of teachers in the second year grades; and the inauguration of a method of voice training to improve the tone quality.

The readjustment of the course was necessary to relieve conditions in the fourth year, to provide a course for the third year that would prepare pupils for work in the grammar grades, and to systematize the work in the upper classes.

The change in form of the director's outline was designed to enable teachers to know specifically what to do each week. In combination with the reports of room teachers, it enables the department to keep informed of the status of each class.

Formerly the task of planning the primary school outline fell to the assistant. Under the new plan the director assumes the responsibility for the outline for all classes.

As the outline tells the room teacher *when* and *what* to do, the desk book tells her *how* to do it, when she is in doubt, so that the method of teaching is uniform.

Under the present plan, rote songs are taught in the first and second years exclusively. In these grades only the very simplest principles of music are taught.

The First Music Reader has been introduced in the third year grades. The plan of this book includes the principles ordinarily taught in two school years. Formerly its field was covered in the fourth year alone, by pupils who had had no previous experience with a book. The change has lightened the task of pupils and teachers in both the third and the fourth year grades, the former using the first forty-five pages and the latter the remainder. This arrangement bridges the gap that formerly existed between the primary and the grammar schools.

The finding of books of different grades in one room led to the establishment of the rule that in each year, regardless of grade, music shall be taught as one grade. Thus, for example, grades 13, 14 and 15 are regarded as the fifth year class in music and have the same lessons. The effect is that after promotions take place the pupils who remain review the principles in music as in other studies, but with new exercises and songs. By their familiarity with the general work they assist the new pupils who come from the class below.

Special attention is being given to the correction of faulty tone production. A series of simple vocal exercises prepared by the director is in use. In the primary grades these are presented by the assistant, the exercises, of course, being simpler, but none the less important. The "soft tone" habit is becoming fixed and the pupils appear to take unusual interest in the instruction and its application.

The work among the so-called monotones—children who drone off pitch—is meeting with success, and the number of such cases is rapidly diminishing.

In the public schools throughout the country the study of music is receiving more careful attention than ever before. Its presentation is no longer a merely perfunctory proceeding. When properly taught it is as important as any other branch of study. In the public schools of Cambridge this belief has taken root. Throughout the city there is a decided improvement in the sight reading efficiency of pupils and in their efforts toward general musical intelligence and correct tone production. These results could not be attained without the assistance of the room teachers, for much of the difficult work falls upon them. I wish to acknowledge my indebtedness to them for their hearty coöperation; to the principals for their unfailing courtesy; and to the Superintendent of Schools for the splendid support he has given this department.

During the present year, up to February 1, there was a class for teachers which met in the Latin building once each week outside of school hours. The attendance was voluntary.

The theoretical course at the High and Latin School has been remodelled. Instead of one general course there are two. Under the old plan, harmony was taught to some pupils having no previous knowledge of music. The needs of such pupils are now provided for in the class known as Music I. It deals with the elements of music, ear training, "working knowledge" of the keyboard, scale building, analysis of intervals, the construction and connection of triads, melody writing and such other facts as may prove of value in a normal school examination in music. Here, also, the foundation for further study of harmony and counterpoint, in a class known as Music II, is laid.

Two classes in choral practice are maintained at the High and Latin School. One class prepares pupils in sight reading and in the sustaining of parts for entrance into the other class. The upper class presented in public last year Gaul's "Joan of Arc," and this year Cowen's "The Rose Maiden" will be offered. Similar entertainments should be made an annual feature.

The abandoned school orchestra has been re-established with eleven members. It meets for practice once each week outside of school hours.

At the Rindge Technical School two classes for choral practice were re-established in February of last year. The boy voices are now being used in their normal position, instead of an octave below, to secure mature male voice effects.

An orchestra of fifteen pieces has been organized at the Rindge and meets with the orchestra of the High and Latin School for practice.

It is very important that a high standard of excellence in the tone and tune of pianofortes in use in the school buildings shall be maintained. Under the present method of caring for them fear of additional expense often stands in the way of accomplishing this. I would respectfully recommend that the School Committee inquire into the advisability of having this work done by contract.

The lack of facilities for properly sorting, storing and cataloguing music at the High and Latin School is deplorable. A large part of the material, tied in bundles and inaccessible for immediate use, is kept on the floor of a room adjoining the hall, and much has been destroyed by the ravages of dust and mice. Shelves built in and provided with sliding doors should be constructed in the Latin building.

Respectfully submitted,

JOHN B. WHORISKEY,

Director of Music.

DRAWING

The following report is submitted by the Director of Drawing:—

The course in art education has during the year been readjusted without any serious difficulty to the changed conditions of the grades. Where it was found desirable to transfer topics from one grade to another the teachers have speedily mastered the new problems.

The placing of water colors in the third year has proved a success. It could be done advantageously in the eighth and seventh grades of the spring term without much additional expense for material. In buildings, where each teacher has been furnished with a full set of palettes and compasses, much time and trouble is saved. This will be a favorable improvement when completed.

Exhibitions of the pupils' regular work were held near the end of the school year in the Fletcher, Peabody, Putnam and Webster schools, also in the High and Latin School. The first four exhibitions showed the results under the old order of grades. The arranging and mounting of these exhibits were done by the teachers almost entirely outside of school time. The principals and teachers have expressed themselves as well repaid for their extra work by the enthusiasm aroused among the pupils and their parents in the respective school districts.

The art department of the High and Latin School is hampered by a lack of proper equipment and other things that deserve more than passing attention. A large number of talented pupils, anxious to improve in skill and artistic power, select this study, but there are serious obstacles to their advancement. A full account of the conditions would necessarily be too lengthy for an abridged report like this.

Some of the improvements needed in this school would also be very useful in the evening free-hand school since the two use the same room. It is to be regretted that the custom of an annual exhibition by the evening free-hand school had to be interrupted this year. These exhibitions have for a number of years been of much practical benefit to both schools.

Respectfully submitted,

PETER ROOS,
Director of Drawing.

THE OPEN AIR SCHOOL

The Open Air School is conducted in a dwelling house remodelled and equipped for the purpose, located on Winsor Street, near Broadway. The school was opened on April 13, 1910.

The school will accommodate twenty-seven pupils. Children are admitted on the recommendation of the medical inspectors and school nurses, and are returned to their regular classes when their physical improvement, as shown by a careful examination, is such as to lead the inspector and nurse to advise this action.

On entering the school, each child is provided with a chair bag, a leg blanket, a soapstone foot warmer, a worsted toque, a pair of woolen gloves and an outside coat. With this equipment the children are comfortable even in the severest weather.

The daily program of the school is as follows:—

9.00 Opening Exercises.
9.05. Music.
9.25. Spelling or dictation.
9.35. Number, reading or geography.

10.00. Oral language.
10.20. Health talks.
10.30. Recess for lunch of milk in summer and of cocoa in winter.
11.00. Arithmetic, lower grades.
11.25. Arithmetic, upper grades.
11.50. Memory gems.
12.00. Preparation for lunch by washing faces and hands, etc.
12.15. Lunch of some good nourishing soup and such food as pupils bring from home.

Rest Period

1.00. Reading for all classes.
2.00. Dismissal.

During the spring term the pupils spent the time from two to three o'clock at work in their school gardens or at play.

The membership of the school being made up of children from nearly all grades of the elementary schools, the instruction is largely individual. In most cases the progress of the pupils in their studies is entirely satisfactory, the improvement in scholarship usually being quite as marked as the improvement in health.

Since the opening of the school, seventy-two children have had the advantages which it offers. During the last year, fifty-four children have been registered. In April there were seven withdrawals and seven new pupils; in May one left and one entered; in June five left. Of the thirteen who left during the spring term, one returned to graduate from the Putnam, two each returned to the Roberts and Webster schools, one each to the Harvard, Russell and Wellington, two moved out of the city, two went to work, and one went for the vacation to the tuberculosis camp. In September the school opened with twenty-one of its old pupils. Four children were admitted during September, six in October, six in December, two in January, and three in February. Of these fifty-four pupils, there were eight each from the Roberts and Wellington schools; six from the Houghton; three each from the Boardman and Fletcher; two each from the Gore, Harvard, Kelley, Merrill, Morse, Parker, Putnam, Sleeper, Tarbell and St. Mary's Parochial; and one each from the Agassiz, Gannett, Russell, Webster, Willard and St. Paul's Parochial. Twenty-nine were boys and twenty-five were girls. Their ages ranged from five to fifteen years. Since September, thirteen have left the school—seven returned to their own districts, four moved from the city, one went to work, and one entered a charitable institution on account of home conditions.

The improvement in the general health of the children has been noticeable. Each child was weighed regularly once a month, and the increase in weight has indicated a gradual return to normal health. The average gain was about four pounds in six months, the average for the boys being somewhat less than that for the girls. The greatest individual gain among the boys was seven pounds in six months, and among the girls, eleven and three-fourths pounds in the same time. There was no case of physical loss during the year.

The school is strongly approved by the visiting nurse, the director of physical education and by the medical inspector of that district.

For the school year ending June 23, 1911, the per capita cost of the running expenses of the school—including instruction, fuel, care and supplies, including food supplies—was $56.73, reckoned upon a membership of twenty-seven, the capacity of the school.

The further extension of this work can be made very satisfactorily and most economically by changing the windows of one room in each of several large buildings, so that they can be easily and fully opened. This room should be on the south side of the building, opened to the sun but least exposed to the storms. In this way, open air schools could be provided for all pupils needing the treatment without requiring them to go long distances.

SIGHT AND HEARING TESTS

The annual tests of the sight and hearing of the school children, except those in the first year primary and kindergarten classes, were made in October. Parents of children found seriously defective were notified as required by law, and many of the cases reported have received professional treatment. The percentage of defectives was about the same as last year, the percentage of defective eyes being a little over twenty, and the percentage of defective ears being three, a little higher than last year.

The results of the examinations were as follows: Number enrolled, 15,256; number examined, 11,876; number defective in sight, 2,344; number defective in hearing, 377; number of parents notified, 1,724.

THE WELLINGTON TRAINING SCHOOL

It is quite evident, from observations in this school and in primary schools generally, that, for any position except that of kindergartner, a two-years' course in a kindergarten training school is not as good a preparation as a course in a good normal school. Usually the kindergarten trained teachers are very weak in their knowledge of the subjects taught in the elementary schools, because they have not reviewed these subjects since leaving the grammar schools. In the normal schools, the students not only thoroughly review these subjects but learn the methods of teaching them. Therefore, only as many kindergarten trained teachers should be received into this school as are likely to be needed in the kindergartens of the city.

Another qualification, which all candidates for this school should present, is good health. Teaching is too severe a strain upon nerves and vitality to be undertaken by frail and anemic persons. Moreover, the health of the teacher has a very important relation to the progress, conduct and character of the pupils. Children need the wholesome and inspiring influence of the energy, cheerfulness and healthy appearance of their teacher as well as her instruction, sound judgment and steady control. The schoolroom is no place for an invalid.

The following report is submitted by Mr. Bates, the Master of the Wellington School:—

This school was opened in September, 1884, contains all the grades below the high school, including a kindergarten, and differs from the other elementary schools in this respect—all the grades below the eighth year are taught by young teachers. Their work, however, is done under the immediate supervision of a master and two assistants, who are held responsible for the instruction and management of the school. For several years the sixth year has been taught by a graduate of the training class.

The object of conducting a school on this plan is to give Cambridge young women who desire to teach, and who have made a special preparation for the work, an opportunity to gain experience under favorable conditions, without prejudice to the interests of the pupils.

Graduates of the Cambridge High and Latin School, who have also graduated from one of our State normal schools, are preferred candidates for the positions in this school. Other persons of equal preparation may be appointed.

The required term of service is one year. Teachers are appointed to Class B and remain in this class for five months, or until their work warrants promotion to Class A. Teachers may be excused or dismissed at any time by the Superintendent with the approval of the Board. No teacher is considered a graduate of this school until she has worked in Class A five months, at least, and has received the approval of the master and of the Superintendent as a qualified teacher.

The compensation during the period of service in Class B is at the rate of $300 per annum, and in Class A it is at the rate of $400 per annum. No pupil teacher receives a rate of salary higher than that paid to members of Class A during her connection with the school, except those selected to take the sixth year's work. Graduates selected to act as substitutes in any school are paid at the rate of $510 per annum.

The Superintendent is authorized to employ as many substitutes and temporary teachers as may be necessary to take the places of absent teachers. These teachers are usually assigned to the Wellington School, when not otherwise employed, that there may be at this school a sufficient number of teachers to make it practicable for members of the training class to visit other schools.

Twenty-eight young women have entered the school since January 1, 1911. Of these, seven were graduated from colleges, thirteen from normal schools and eight from kindergarten normal schools.

The school has fully maintained its standard of efficiency during the year. It is looking forward to further usefulness by helping young women to gain experience in teaching and pupils to gain in knowledge.

Respectfully submitted,

HERBERT H. BATES,

Master of the Wellington Training School.

VACATION SCHOOLS

The vacation schools for the summer of 1911 opened on Monday, July 10, in the following school buildings: the Rindge Technical, the English High, the Putnam, Roberts, Shepard and Webster, and continued for five weeks, closing on Friday, August 11.

There were two sessions of two hours each for five days a week, one division attending the first two hours, and another the last two hours. At the beginning it was found necessary, on account of the large numbers in the divisions, to have a division in sloyd and another in cooking in the afternoon, but as the numbers decreased, all of the divisions were cared for in the morning.

The experiment of establishing a special class for eight year pupils, who had failed in June to secure certificates admitting them to the high schools, proved of great advantage to those children. By means of the summer school work a large per cent of them were able to pass the entrance examination in September without having been put to the expense of a tutor. No class of pupils in the vacation schools received greater benefit than this one. In fact, the new emphasis placed upon the academic work in all the grammar grades last summer proved very profitable to many children who had failed to be promoted.

Thirteen hundred forty-six cards of admission were issued from the office to pupils from the grammar grades of all schools in the city. After the first day any pupil from a grammar grade was allowed to enter without a card. These cards were given in order that the pupils might know which school to attend and be able to begin work the first day.

The older pupils were given a choice of either basketry, cooking, sewing, sloyd or academic work. The younger ones were given lessons in water color painting, arithmetic, reading, spelling, writing and in many other kinds of profitable work.

Four teachers of sloyd were employed, two of basketry, two of cooking, seven of sewing, one of music, and nine with the academic pupils, a total of twenty-five. Under the direction of the Superintendent of Schools, Mr. James Dugan, Master of the Thorndike School, had general charge of these schools.

The following table shows the number in attendance at each school, and the line of work in each:—

SCHOOLS	Subject	Number Registered	Average Attendance
Rindge Technical School	Sloyd	40	24
English High School	Academic	86	66
	Basketry	55	40
	Cooking	70	44
	Sewing	40	27
Putnam School	Academic	84	55
	Sewing	62	43
	Sloyd	47	39
Roberts School	Academic	65	38
	Sewing	48	38
	Sloyd	51	32
Shepard School	Academic	41	33
	Sewing	38	23
Webster School	Academic	85	57
	Sewing	80	75
	Sloyd	53	45
Total	....	945	679

The following table shows the number registered in each subject, with the average attendance:—

	Number Registered	Average Attendance
Academic	361	249
Basketry	55	40
Cooking	70	44
Sewing	268	206
Sloyd	191	140
Total	945	679

The cost of the vacation schools was $1,379 for salaries of director and teachers; $160 for salaries of janitors; and $324.70 for supplies, a total of $1,863.70, or $2.74 per pupil, based on the average attendance.

The sloyd classes at the Rindge Technical building were small, while the sewing classes at the Webster building were so large that a second teacher was required. The attendance at the Roberts School was greatly affected by the presence of the playground classes at that building. Many pupils of the academic classes left to join the playground classes.

A very creditable exhibition of work was held in each building at the close of the term.

EVENING SCHOOLS

There are eight evening schools—one industrial school, two drawing schools, one high school, and four elementary schools. In accordance with the rules of the School Board, there are two terms of the evening schools. The first term begins on the second Monday of October and continues every Monday, Wednesday and Friday evening until the end of the week before Christmas. The second term begins on the first Monday, Wednesday or Friday evening after the opening of the day schools in January, and continues at least twenty-five evenings. The sessions begin at half past seven o'clock and continue two hours. No session is held on the evening of a holiday or during the vacations of the day schools.

The Evening Industrial School is held at the Rindge Technical School building, and offers courses in machine shop work, wood-turning, pattern-making, forging and foundry work.

The Mechanical Drawing School is in the same building and in charge of the same principal as the Industrial School. This school provides two courses in drawing—a three-years' course in machine drawing, and a three-years' course in architectural drawing.

The Free-hand Drawing School occupies one room in the English High School building and is under the supervision of the director of drawing for the day schools. This school offers a three-years' course in free-hand drawing which includes drawing from a life model. Diplomas are given to graduates of both drawing schools.

The Evening High School is held in the English High School building and offers a three-years' course of instruction in the following subjects: Commercial arithmetic, bookkeeping, algebra, geometry, stenography and typewriting, English composition, English literature, civics, history, Latin, French and German. Diplomas are given to graduates of the three-years' course.

The evening elementary schools occupy rooms in four of the grammar school buildings, the Putnam, Roberts, Shepard and Webster. Reading, writing, arithmetic, geography, language, history and bookkeeping are taught in these schools in classes, so far as classification is possible, but a large part of the work is individual. No definite course is arranged, but an opportunity is offered to pupils to prepare to enter the Evening High School, and certificates are given to those who are qualified to begin work in that school. In addition to the subjects given above, classes in civil service, sewing, dressmaking, millinery, wood-working and mechanical drawing are formed when a sufficient number express an intention to take any of these courses.

There is a feeling in some quarters that evening schools are generally, if not necessarily, inefficient, and that the results secured do not justify the expense. It is therefore a real pleasure to be able to report a very positive improvement in our evening schools this year, especially in the elementary schools. Much of the improvement was due to the higher grade of teaching. Great care was taken in the selection of teachers, an unusually large number of day school teachers being employed. The obvious danger in this practice is that the day schools will suffer, but, if only young and vigorous persons are allowed to attempt the extra work, and those who show signs of overwork are promptly excused from evening service, the danger is reduced to a minimum, and the evening schools gain much while the day schools suffer little. It has been impossible to secure in any other way a sufficient number of experienced and competent teachers. The evening school work requires not only skill in teaching but strong powers of control.

Another cause of improvement was the better equipment. An effort has been made to furnish books especially adapted to the work and to the needs of the learners. It is a great mistake to continue the use of old and discarded day school books in the evening schools. In most cases these books, even if in suitable condition for use, are adapted neither in thought nor subject matter to the older pupils of the evening schools. Next season the improvement in equipment should continue to completion.

The third element of improvement was the attendance, which was largely due to the better teaching and better equipment, although much credit should be given to some of the principals for their unusual interest and effort in looking after the attendance of illiterate minors. At the Putnam School a special card was used which gave the principal prompt information concerning each member of the school and kept him in close touch with the employers. A similar card should be used in all of the elementary schools next season.

The character of the work in the dressmaking and millinery classes has changed during the last two years. The teachers give instruction in these arts and supervise the work, but the pupils are expected to make the garments and hats themselves. To many families these classes mean much and the work deserves commendation.

A carefully arranged course of study should be prepared for the academic work, so that all may know what is required for graduation and that the same standards may prevail in all of the schools. Most of the work in the evening high schools was highly satisfactory. Some of the drawing classes were unusually small and did not accomplish quite as much as was expected of them.

The following table shows the attendance at the evening schools for the year 1911–1912, including the attendance at the industrial schools and the industrial classes in the elementary schools:—

	Number Registered	Average Attendance	Average No. of Teachers*	Average No. of Pupils to a teacher	Number of Graduates
Industrial School	109	55	4	13	2
Mechanical Drawing ..	98	46	4	11	8
Free-hand Drawing ...	23	14	2	7	4
High School	297	159	11	14	10
Putnam School	805	337	22	15	36
Roberts School	942	334	24	14	57
Shepard School........	165	88	8	11	16
Webster School	244	110	9	12	26
Total	2,683	1,143	84	......	159

* The principals and curators are not included in the averages.

The following table shows the attendance at the industrial schools and at the industrial classes in the elementary schools:—

	Number Registered	Average Attendance
Industrial School	109	54
Mechanical Drawing School	98	46
Free-hand Drawing School	23	14
Putnam School	135	49
Roberts School	121	26
Shepard School	62	32
Webster School	67	22
Total	615	243

The following table shows the cost of the evening schools for the year 1911–1912, including the cost of the industrial schools and the industrial classes in the elementary schools:—

	Cost of Instruction	Cost of Text-Books and Supplies	Cost of Light, Fuel and Janitors	Total Cost	*Cost per Pupil
Industrial School	$1,218 00	$133 09	$920 42	$2,271 51	$41 98
Mechanical Drawing	663 00	66 65	353 34	1,082 99	24 35
Free-hand Drawing	273 00	15 99	57 82	346 81	27 45
High School	1,600 00	75 11	609 27	2,284 38	14 60
Putnam School	2,365 50	155 26	498 65	3,019 41	9 07
Roberts School	2,456 50	88 41	639 43	3,184 34	9 64
Shepard School	934 50	23 34	129 66	1,087 50	12 78
Webster School	1,075 50	19 23	352 91	1,447 64	13 50
Director of Evening Schools	300 00	....	....	300 00	....
Total	$10,886 00	$577 08	$3,561 50	$15,024 58	$13 14

* In obtaining the cost per pupil in each school, a proportional part of the salary of the Director of Evening Schools is added to the cost of each school as given above.

SCHOOL SAVINGS BANK

By law the public schools of this State are required to instruct their pupils in thrift. In practical life thrift applies to the acquisition, saving, investing and expenditure of money, or, reduced to its lowest terms, to earning and expending money. In this country most industrious persons are able to earn a comfortable living, and would be able to provide for old age if they were provident and wise in their expenses. But, unfortunately, many never learn how to save, and few are willing to live within their means. During their youth and the years of plenty they acquire expensive habits, living fully up to their income, if not beyond it. If, then, the school can help the children not only to form habits of industry but of self-denial and providence for future needs and benefits, it will teach them a most valuable lesson and one greatly needed. But this lesson cannot be taught effectively through sage advice and academic instruction alone. The teaching must in some way be transmuted into self-denying and provident habits on the part of the pupil, into the habit of foregoing a present for a future good and of saving as well as of earning.

Various methods of teaching thrift are in use in the public schools of the country, but the following plan, which has been unanimously approved by the School Committee, seems to possess unusual merits, because it is safe, convenient, educative and according to business practice:—

Deposits of one cent or more are received every Monday at the morning session by the teacher of each class, and the amount of each deposit is entered upon the depositor's school pass-book, which he retains. The money collected by the several teachers, together with the deposit slips filled out by the pupil, and giving the date, amount deposited and name of the depositor, are promptly delivered to the master of the school, who, after making the necessary ledger entries, deposits the money on the same day in the neighboring savings bank, receiving from the bank a pass-book in the name of the school.

When a pupil has deposited the necessary sum to draw interest, the savings bank issues in his name a pass-book, to which all his deposits are transferred from the general pass-book of the school. After that, his deposits during the current quarter are transferred to his savings bank pass-book just before the beginning of the next quarter.

Money may be withdrawn on any Monday, but all withdrawals must be made through the master of the school, and at the personal request of the parent or guardian of the pupil who withdraws it.

When a depositor graduates or leaves school, he is given either his savings bank-book or the money due him.

At regular periods, the interest received upon the general fund or school pass-book is divided pro rata among the individual depositors of the school, according to the amounts on deposit.

Soon after the above plan was adopted by the Committee, a bill having for its purpose the establishment and control of such banks under the direction of the Bank Commissioner, was introduced into the General Court, and it seemed best to await the action of the Legislature and Commissioner. The plan as finally adopted was practically the same as that previously approved by the Cambridge School Committee.

During the first half of this year, banks were established in the following named schools, which had on deposit March 29, 1912, the several sums indicated at the right:—

SCHOOL	Bank Opened	Total Deposit	Amount Withdrawn	On Deposit
Ellis	Jan. 22, 1912	$98 51	$0 70	$97 81
Fletcher	Nov. 13, 1911	556 59	152 60	403 99
Harvard	Nov. 13, 1911	622 28	36 22	586 06
Houghton	Nov. 13, 1911	161 80	23 50	138 30
Kelley	Nov. 14, 1911	381 58	51 88	329 70
Morse	Jan. 8, 1912	396 33	34 64	361 69
Peabody	Nov. 6, 1911	2,265 00	68 40	2,196 60
Putnam	Nov. 10, 1911	438 64	123 70	314 94
Roberts	Dec. 11, 1911	224 45	6 61	217 84
Russell	Nov. 20, 1911	424 96	46 33	378 63
Shepard	Feb. 19, 1912	139 06	10 00	129 06
Sleeper	Feb. 19, 1912	114·75	8 87	105 88
Webster	Jan. 8, 1912	467 56	8 46	459 10
Wellington	Nov. 11, 1911	902 78	443 05	459 73
	Total	$7,194 29	$1,014 96	$6,179 33

THE SCHOOL DENTAL CLINIC

Last year, after the examining of the teeth of over two thousand school children and finding them in a "deplorable condition," Dr. R. R. Andrews expressed the hope that a school dental clinic might soon be established, where the urgent cases could be attended to at a very small cost to the children. That hope has been realized during the year, and a group of dentists of this city are giving generously of their time for the relief of many unfortunate children. Your attention is called to the very interesting report of Dr. Andrews, which follows:—

The examination of the teeth of the children of the public schools in East Cambridge has shown that ninety-five per cent of the teeth examined, of the children of the upper grades, the older children, are in such a diseased and decayed condition, that their treatment would overwhelm the committee, they having such limited means. It has been thought wiser to attend to the work of the children of the lower grades, the younger children, because so much more good can be accomplished. We are working for children from six to twelve years of age. Having examined over twenty-five hundred children, and made charts of their mouths, we have established the fact that the dental clinic is a necessity in the schools of our city. The children were in the Wellington, the Gannett, the Kelley and the Roberts schools.

These examinations proved the necessity for practical work, so we have established the clinic, and work for those who cannot afford to go to a regular dentist. A small fee is charged to those who can pay a little, to help pay for the material, but no child is refused if he or she cannot afford to pay for anything. The clinic was commenced in February, and on Friday mornings of each week two dentists are on hand to attend to the children.

A room in the Wellington School has been given us to furnish for a dental clinic, and has been furnished, in a modest way, by the dental committee at an expense of about three hundred dollars. This money was given by some of the people of Cambridge for this purpose. There are two dental chairs, a dental case, a good supply of instruments and remedies, as well as filling material, an electric dental engine, and the room is lighted on dark days by electric lights put in by the committee. The committee feel that much good is being done, and wish that they had the means to do more. Much credit is due to those dentists of our city who have volunteered to give a morning of their time every month to attend to this good work. We hope to have the clinic open two days in the week in the near future.

FOR THE SCHOOL DENTAL COMMITTEE,

R. R. ANDREWS,

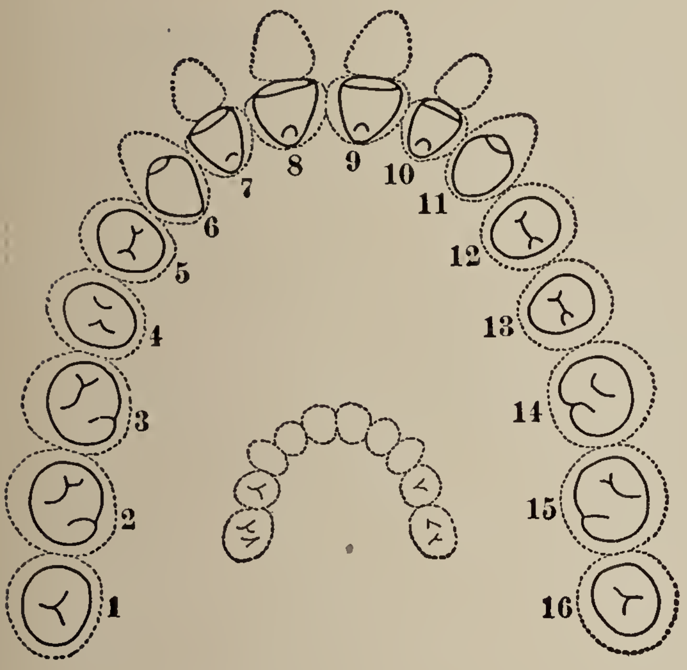
Chairman.

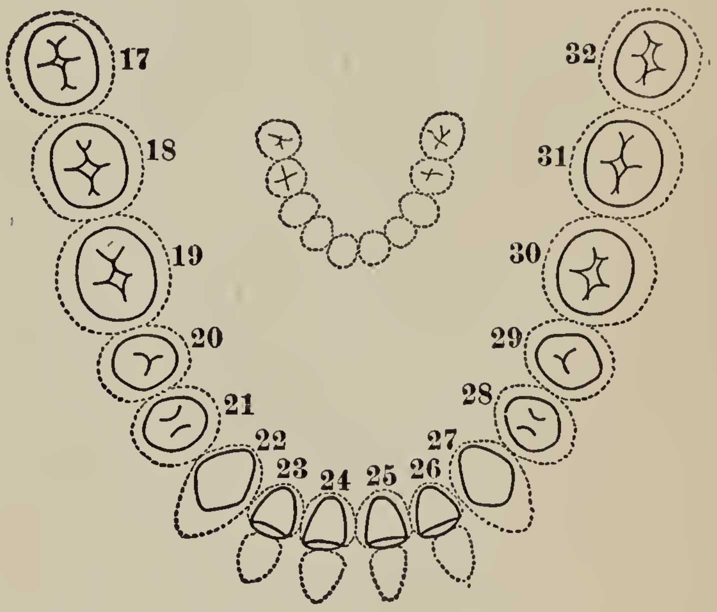
....School.

Pupil...Age...................

Parent...

Address..





NOTICE TO PARENTS.

....has been examined by me and found to have teeth which must be attended to. You are advised to apply at once to your family dentist for treatment. If circumstances do not permit consulting a dentist at his office, the child will be treated at cost, at the Harvard Dental School Infirmary, Longwood Avenue, cor. Wigglesworth Street, Brookline, Monday, Tuesday, Wednesday and Friday mornings at 9 o'clock, and every afternoon at 2 except Saturday; or at the Tufts College Dental School Infirmary, 416 Huntington Avenue, Boston, every morning at 9.

.... D.M.D.

Examining Dentist.

DENTAL DEPARTMENT OF THE

CAMBRIDGE PUBLIC SCHOOLS

As the germs of Consumption get into the body through decayed teeth, all decayed teeth muſt be attended to at once.

DIRECTIONS FOR THE CARE AND USE OF THE TEETH.

1.—The teeth should be thoroughly brushed after each meal, and especially before going to bed.

2.—A tooth powder used on the brush helps to clean the teeth.

3.—The slow and thorough chewing of all food helps to preserve the teeth and keep the mouth in a healthy condition.

4.—Children's teeth must be examined by a dentist at least twice a year.

TRUANT OFFICERS

The city is divided into four districts, and to each of these districts a truant officer is assigned. The work of the truant officers is carried on under the direction of the agent of the School Committee, whose duty it is to consider all cases of truancy, of persistent violation of the rules of the schools, of juvenile vagrancy, of unlawful detention from school, of neglect by parents, and of any failure on the part of parents or pupils to comply with the rules of the School Committee or with the public statutes relating to school attendance.

Among the duties of the truant officers are the following:—

To visit each school at least once a day, unless otherwise directed by the agent; to prevent children from loitering about the school premises; to notify the teachers of all cases of contagious diseases reported by the board of health; to be present at any school building, when directed by the agent, during the sessions of an evening school, or whenever the building is used for any other than day school purposes, to assist in the preservation of good order and in the protection of the property of the city in and about the building; and to visit places of business where children are employed to see that none are employed unlawfully. Under the direction of the agent they make all complaints at the district court for violation of the public statutes regarding school attendance, and take boys to the Middlesex County Training School when they are sentenced.

The following is a summary of the work of the truant officers during the school year from September 1, 1910 to July 1, 1911:—

Whole number of absences investigated	11,964
Truancy, first offence	779
Truancy, third offence	171
Truancy, fifth offence or more	162
Complaints of truants and school offenders	10
Truants and school offenders on probation by the court	4
Truants and school offenders sentenced by the court	9
Children found wandering about the streets not belonging to any school	144
Such children sent to school	125
Visits to mercantile or manufacturing establishments	580
Children employed without certificates	22

The statistics of the private schools, obtained by one of the truant officers, show that there are five parochial schools in this city; and nine private schools which receive $49,730 for tuition. The number of pupils in these schools is as follows:—

Parochial schools	3,949
Private schools	323
Total number of pupils not in public schools	4,272

CONCLUSION

During the last three years much has been done to organize the schools of Cambridge upon an economical and efficient basis according to sound and progressive educational standards, but much still remains to be done in order to perfect what has been begun and to realize its best possibilities. That the schools exist for the children has been the guiding principle in all that has been done and with this principle a large per cent of the teachers have been in perfect sympathy. The reorganization of the schools has not been the work of one man, for no important change has been made without the unanimous consent of the School Committee. Therefore, whatever there may be of credit or of blame belongs equally to the Committee and the Superintendent.

In closing, I wish to commend the faithful and efficient services of my associates in the work, and to express my deep appreciation of the continued confidence and courteous treatment of the Committee.

Respectfully submitted,

FRANK E. PARLIN,
Superintendent of Schools.

STATISTICS

FINANCES

For the financial year from April 1, 1911, to April 1, 1912

Receipts

Amount received from the tax levy under the City Charter	$535,737 56
Amount of revenue received	10,664 65
Total amount available for the support of schools	$546,402 21

Expenditures

Salaries of teachers, all schools	$398,093 69
General expenses	24,866 37
Cost of text-books and supplies	27,051 91
Transportation of pupils	324 00
Support of truants	1,579 06
Care and repair of buildings	62,851 76
Fuel and light	26,113 96
Other school expenses	810 82
Tuition to other cities	236 17
Total amount expended	$541,927 74
Balance unexpended and carried forward to next year	$4,474 47

Cost of Instruction in the Day Schools

Salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers

Year	*Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1904	435	15,075	14,454	$356,406 89	$24 66
1905	447	15,364	14,606	366,448 39	25 09
1906	455	15,475	14,907	377,343 02	25 31
1907	460	15,580	14,957	385,927 00	25 80
1908	454	16,019	15,214	374,000 99	24 58
1909	457	15,895	15,465	389,919 31	25 21
1910	456	15,633	15,457	391,398 56	25 32
1911	459	15,328	15,135	407,730 84	26 94

Cost of the Day Schools

Cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, or the care of schoolhouses, and of the transportation of pupils.

Year	*Number of Teachers in December	Number of Pupils in December	Average Number of Pupils for Year Ending in June	Total Cost	Cost per Pupil
1904	435	15,075	14,454	$450,310 44	$31 15
1905	447	15,364	14,606	462,412 09	31 66
1906	455	15,475	14,907	464,529 43	31 16
1907	460	15,580	14,957	488,636 18	32 67
1908	454	16,019	15,214	477,286 82	31 37
1909	457	15,895	15,465	489,712 68	31 66
1910	456	15,633	15,457	492,579 06	31 86
1911	459	15,328	15,135	508,168 85	33 58

* The unassigned teachers are not included in the number of teachers.

Cost of Instruction in the Evening Schools

Year	Drawing	Industrial	High	Elementary	Director	Total
1908	$1,291 00	$1,345 00	$1,649 00	$7,574 00	....	$11,859 00
1909	1,249 00	1,300 00	1,597 00	7,308 50	....	11,454 50
1910	1,197 00	1,309 00	1,585 00	7,062 00	$315 00	11,468 00
1911	936 00	1,218 00	1,600 00	6,832 00	300 00	10,886 00

COST OF INSTRUCTION

From April 1, 1911, to April 1, 1912

Schools and Officers	Cost of Instruction	Average Number of Pupils	Cost per Pupil
High and Latin School	$58,051 16	1,226	$47 35
Rindge Technical School	33,654 73	587	57 33
Training School (Teachers)	18,066 29	871	20 74
Grammar Schools (Except Training)	149,250 27	7,081	21 08
Primary Schools (Except Training)	84,806 83	4,683	18 11
Kindergartens	19,231 71	687	27 99
Open Air School	1,164 84	......	......
Manual Training in Elementary Schools	4,355 00	......	......
Special Teacher	268 00	......	......
Substitutes	5,204 25	......	......
Department of Drawing	2,847 17	......	......
Department of Music	2,614 37	......	......
Department of Physical Training	3,058 08	......	......
Teachers of Sewing	3,371 99	......	......
Unassigned Teachers	5,475 00	......	......
Superintendent	4,000 00	......	......
Supervisor of Primary Schools	1,350 00	......	......
Secretary and Agent	2,850 00	......	......
Clerks	2,340 00	......	......
Truant Officers	4,076 75	......	......
Porter	700 00	......	......
Penmanship	194 40	......	......
Rindge Technical School, summer session for Harvard Students	800 00	......	......
Total	$407,730 84	15,135	$26 94

Cost of instruction in Evening Drawing Schools	$936 00
Cost of instruction in Evening Industrial School	1,218 00
Cost of instruction in Evening High School	1,600 00
Cost of instruction in Evening Elementary Schools	6,832 00
Salary of Director of Evening Schools	300 00
Total	$10,886 00

Cost of instruction in Vacation Schools	$1,379 00

SCHOOLHOUSES MAINTENANCE, 1911–1912—CARE AND REPAIRS

NAMES	FUEL		REPAIRS			SUPPLIES				Flags and Halyards	Extra Help	Janitors	Totals
	Coal	Wood	On Building	On Furniture	On Heating App'ts	Furniture and Furnishings	Gas	Electric	Sundries				
Agassiz	$305 24	$16 75	$168 61		$88 20	$1 80	$5 78		$13 80	$2 24		$728 00	$1,330 42
Boardman	289 91	13 00	1,006 41	$2 50	152 13	84	7 31		29 60	3 42		728 00	2,233 12
Corlett	72 05	12 13	41 45		3 55				6 09			260 00	395 27
Cushing	127 05	12 13	145 08		10 40	84		$ 99	7 60	5 21		260 00	569 30
Ellis	588 50	7 00	187 13			3 00	7 99		92 43			1,092 00	1,978 05
Felton	330 00	13 00	111 13		25 25		17 00		13 84		$30 89	572 00	1,113 11
Fletcher	705 80	7 00	228 71			3 84	4 59	31 32	75 54	2 25	4 00	1,222 00	2,285 05
Gannett	280 87	8 38	104 14		20 00		1 87		20 49	1 17		624 00	1,060 92
Gore	467 50	3 50	70 08	3 50	21 25	16 84	17 68		41 16	4 68	20 00	939 85	1,606 04
Harvard	721 74	3 50	660 57	25 50	42 76	6 36	3 06	30 55	57 78	1 17	2 00	1,300 00	2,854 99
English High Building	1,793 38	35 50	1,197 66	15 50	10 33	632 43	28 39	405 20	128 97		275 30	2,899 71	7,422 37
Houghton	1,011 90	7 00	142 12	2 99				41 63	72 55	2 34	3 00	1,222 00	2,505 53
Kelley	853 43	7 00	336 15				6 46	44 16	81 80	3 51	6 00	1,352 00	2,690 51
Lassell	220 00	16 75	194 45			60			26 02	1 17		520 00	978 99
Latin Building	1,907 42	14 00	1,011 77	29 28	171 27	900 08	24 65	614 07	160 38		67 50	3,205 72	8,106 14
Lowell	116 93	8 37	22 29	3 00	82 31		4 76		18 12			520 00	775 78
Merrill	462 97	3 50	70 68	12 50	27 76		1 36		42 38		50 89	936 00	1,608 04
Morse	983 06	7 00	58 72	14 29	185 44	10 88	35 02		83 54	3 51	6 00	1,300 00	2,687 46
Otis	292 23	16 75	71 03				29 92		32 80	8 10		728 00	1,178 83
Parker	497 00	24 88	519 64	1 00	114 03	84	3 74		42 40		15 00	676 00	1,894 53
Peabody	937 24		200 76	8 70	293 50	10 00	1 87	49 66	79 20	2 24		1,222 00	2,805 17
Putnam	688 69	7 00	272 80	3 25	1 50	60	117 64	172 78	123 62		178 25	1,222 00	2,788 13
Reed			9 51						1 65			230 00	241 16
Rindge Technical	1,990 79		912 62	35 40	81 36	264 69	94 52	919 72	179 00	3 42	620 00	3,913 71	9,015 23
Roberts	875 74	7 00	249 86	49 85	12 26	6 12	189 04	236 14	112 90		224 70	1,300 00	3,263 61
Russell	591 52	7 00	164 74	10 75	606 35	1 44	8 67		49 12	2 34		1,040 00	2,481 93
Shepard	321 25	11 00	164 51			1 54	6 97	7 65	48 92	1 18	126 00	936 00	1,625 02
Sleeper	390 37	20 50	139 06	3 00	84 25		68		35 36	2 34	6 12	780 00	1,461 68
Tarbell	137 50	20 25	175 97	75	23 50				20 15	1 17		520 00	899 29
Taylor	706 25	3 50	1,058 28	23 50	19 38	1 68	11 39		59 38	2 34	22 00	936 00	2,843 70
Thorndike	403 75	16 75	27 71		22 00	60	22 27		25 30			936 00	1,454 38
Webster	1,032 62	14 00	565 16	3 20	6 28	182 33	45 73	146 74	114 25	3 41	196 50	2,444 00	4,754 22
Wellington	1,394 35	3 50	123 85	1 60		12 00		60 54	97 79	4 59	24 50	2,548 00	4,270 72
Willard	346 50	3 50	483 14	6 00	68 00	60	39 10		31 76	3 42	20 00	936 00	1,938 02
Wyman	315 53	10 69	47 07		26 10	30 00			10 87		15 00	624 00	1,079 26
Open Air	66 55	3 75	214 66	7 25		56	24 14		7 48				324 39
Office				1 00		14 00			75				15 75
All Schools			858 31			286 80			73 56			1,400 00	2,618 67
	$22,225 63	$365 58	$12,015 83	$264 31	$2,199 16	$2,391 31	$761 60	$2,761 15	$2,118 35	$65 22	$1,913 65	$42,072 99	$89,154 78

Care, repairs and supplies distributed to schools as shown above	$89,154 78	
Stock on hand April 1, 1912	732 50	$89,887 28
Less stock on hand April 1, 1911		921 56
Amount expended for schoolhouses maintenance		$88,965 72

TEXT–BOOKS AND SUPPLIES

The following is an account of the purchases, expenditures and distribution of books and supplies during the school year 1910–1911. It is the twenty-sixth annual report of the agent, and the twenty-seventh in a series of reports of the supply department:—

Stock in storeroom July 1, 1910	$8,030 83	
Expended from the appropriation	29,502 51	
Value of exchanges	184 02	
		$37,717 36
Distributed to schools, officers, etc.	$28,440 20	
Sold for cash	232 43	
		28,672 63
Stock on hand, July 1, 1911		$9,044 73

The purchases and expenditures appear in detail as follows:—

For Text-books	$10,346 37	
Desk and reference books	304 96	
Copy books	416 00	
Apparatus and furnishings	3,586 01	
Repairing books	465 91	
Tuning pianos	35 25	
Expressage and labor	388 73	
Miscellaneous supplies	14,143 30	
		$29,686 53
Less the value of exchanges		184 02
		$29,502 51

The net cost of text-books and supplies is as follows:—

Stock on hand, July 1, 1910	$8,030 83	
Bills paid by City Treasurer	29,502 51	
		$37,533 34
Stock on hand, July 1, 1911	$9,044 73	
Cash paid to City Treasurer, sales and damages	811 16	
		9,855 89
We have net cost of all schools and officers		$27,677 45

or an average cost per pupil of $1.828. The average cost per pupil for twenty-seven years is $1.345.

The annual cost per pupil for text-books and supplies since the introduction of free text-books is as follows:—

Year	Cost per Pupil	Year	Cost per Pupil	Year	Cost per Pupil
1885	$1.880	1894	$1.243	1903	$1.306
1886	1.170	1895	1.152	1904	1.468
1887	1.051	1896	1.436	1905	1.434
1888	1.068	1897	1.094	1906	1.476
1889	0.960	1898	1.268	1907	1.620
1890	1.334	1899	1.225	1908	1.443
1891	1.248	1900	1.740	1909	1.551
1892	1.149	1901	1.203	1910	1.468
1893	1.109	1902	1.400	1911	1.828

The net cost of each grade of schools for text-books and supplies is as follows:—

	Net Expense	Cost per Pupil				
		1911	1910	1909	1908	1907
*Latin School	$4,210.00	$3.405	$2.044	$3.333	$2.349	$4.136
English High School			4.100	3.748	6.496	4.894
Manual Training School	5,009.11	8.533	8.633	11.198	9.077	10.723
Training School, Teachers	1,546.34	1.775	1.359	1.504	1.328	1.127
Grammar Schools	5,557.16	1.661	1.148	1.257	1.128	1.315
Mixed Schools	7,209.82	1.278	1.049	0.924	0.835	1.156
Primary Schools	1,928.10	0.699	0.701	0.605	0.444	0.584
Kindergartens	266.69	0.388	0.457	0.345	0.582	0.353
Open Air School	382.40	15.933	......	......	......	......
Evening Schools	629.55	......	......	......	......	......
Vacation Schools	219.68	......	......	......	......	......
Special Teachers	363.66	......	......	......	......	......
Officers of Board	68.28	......	......	......	......	......
Miscellaneous Expenses (not chargeable to any grade)	306.87	......	......	......	......	......
	$27,697.66					
Less profit on sales	20.21	......	......	......	......	......
	$27,677.45	$1.828	$1.468	$1.551	$1.443	$1.620

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*September 1, 1910, the Latin School and the English High School were united under the name of the Cambridge High and Latin School.

GENERAL STATISTICS

Population of Cambridge

1865	29,112	1895	81,643
1875	47,838	1905	97,434
1885	59,660	1910	104,391

School Census

Number of children in the city five years old or more, but less than fifteen:—

Number of children in the city between five and fifteen, boys, 7,855; girls 7,942	15,797
Number in public schools between five and fifteen	12,097
Number in private schools between five and fifteen	3,292
Number not attending school between five and fifteen	408
Number in the city between five and six	1,554
Number in the city between seven and fourteen, boys, 5,524; girls, 5,594	11,118

Schools and Classrooms

December, 1911

a	High and Latin School	1	Classrooms in use	34
b	Rindge Technical School	1	" " "	17
c	Grammar Schools	4	" " "	62
d	Grammar and Primary Schools	15	" " "	175
	Primary Schools	12	" " "	67
	Kindergartens	16	" " "	16
	Evening Industrial School	1	" " "	4
	Evening Drawing Schools	2	" " "	4
	Evening High School	1	" " "	11
	Evening Elementary Schools	4	" " "	32
	Whole number of Day Schools			49
	Whole number of classrooms for Day Schools			371
	Whole number of Evening Schools			8
	Whole number of classrooms for Evening Schools			51

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a This school occupies two buildings and has assembly halls, libraries, lecture rooms, recitation rooms, chemical and physical laboratories, a drawing room and a gymnasium.

b This school occupies three buildings and has an assembly hall, drawing rooms, recitation rooms, chemical, electrical and physical laboratories and rooms for various kinds of shop work.

c Three of these have assembly halls.

d Ten of these have assembly halls.

* NUMBER OF TEACHERS IN THE DAY SCHOOLS

December	High and Latin School	Rindge Technical School	Grammar Schools	Primary Schools	Kinder-gartens	Directors and Special Teachers†	Total
1906	50	22	199	143	31	10	455
1907	51	25	199	143	31	11	460
1908	50	24	200	141	30	9	454
1909	47	24	204	142	30	10	457
1910	47	24	204	136	30	15	456
1911	54	27	202	133	28	15	459

* The unassigned teachers are not included.

† This list includes the directors of music, drawing and physical education, and the teachers of sewing and manual training in the elementary schools.

ATTENDANCE AT ALL THE DAY SCHOOLS

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent of Attendance
	Boys	Girls	Total			
1907	8,423	8,380	16,803	14,957	13,878	92.8
1908	8,716	8,419	17,135	15,214	14,144	92.9
1909	8,923	8,508	17,431	15,465	14,414	93.2
1910	8,903	8,253	17,156	15,457	14,376	93.0
1911	8,696	8,137	16,833	15,135	14,137	93.4

* ATTENDANCE AT THE HIGH AND LATIN SCHOOL

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent of Attendance
	Boys	Girls	Total			
1907	274	936	1,210	1,083	1,041	96.1
1908	250	937	1,187	1,090	1,047	96.0
1909	257	922	1,179	1,052	1,009	95.6
1910	236	852	1,088	994	956	96.2
1911	335	1,073	†1,408	1,226	1,177	96.0

* September 1, 1910, the English High School and the Latin School were united under the name of the Cambridge High and Latin School.

† This number includes 185 that entered the high school in February.

Attendance at the Rindge Technical School

Year	Number of Pupils Registered	Average Number Belonging	Average Daily Attendance	Per cent of Attendance
1907	475	428	409	95.6
1908	549	489	461	94.2
1909	603	538	511	95.0
1910	623	549	522	94.9
1911	*703	587	557	94.8

* This number includes 83 that entered the school in February

Attendance at the Grammar Schools

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent of Attendance
	Boys	Girls	Total			
1907	3,874	3,995	7,869	7,192	6,783	94.3
1908	3,974	3,935	7,909	7,283	6,892	94.6
1909	4,165	4,026	8,191	7,500	7,124	94.9
1910	4,218	4,036	8,254	7,569	7,142	94.3
1911	4,205	3,959	8,164	7,665	7,271	94.9

Attendance at the Primary Schools

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent of Attendance
	Boys	Girls	Total			
1907	3,344	2,980	6,324	5,551	5,092	91.7
1908	3,485	3,077	6,562	5,653	5,171	91.5
1909	3,382	3,027	6,409	5,610	5,148	91.7
1910	3,338	2,892	6,230	5,613	5,162	92.0
1911	3,128	2,783	5,911	4,970	4,575	92.0

Attendance at the Kindergartens

Year	Number Registered			Average Number Belonging	Average Daily Attendance	Per cent of Attendance
	Boys	Girls	Total			
1907	456	469	925	703	553	78.7
1908	458	470	928	699	573	81.9
1909	516	533	1,049	765	622	81.3
1910	488	473	961	732	594	81.1
1911	465	450	915	687	557	81.0

* NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH AND LATIN SCHOOL

Year	Boys	Average Age	Girls	Average Age
1907	68	14 years 2 months	339	14 years 8 months
1908	92	14 years 1 month	327	14 years 9 months
1909	60	14 years 3 months	278	14 years 7 months
1910	100	14 years 6 months	338	14 years 8 months
1911 Feb.	57	14 years ½ month	128	14 years 1 month
Sept.	106	14 years 3 months	350	14 years 6 months

* NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL

Year	Boys	Average Age	Girls	Average Age
1907	33	19 years 0 months	143	18 years 5 months
1908	34	18 years 6 months	102	18 years 4 months
1909	23	18 years 7 months	105	18 years 7 months
1910	18	18 years 7 months	109	18 years 7 months
1911	56	18 years 3 months	146	18 years 4 months

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE RINDGE TECHNICAL SCHOOL, WITH THE NUMBER OF GRADUATES

Year	Admitted	Average Age	Graduated	Average Age
1907	203	15 years 0 months	33	19 years 0 months
1908	205	15 years 0 months	51	18 years 8 months
1909	208	14 years 9 months	66	18 years 9 months
1910	219	15 years 2 months	68	18 years 1 month
1911 Feb.	85	14 years 2 months	83	17 years 7 months
June	218	14 years 8 months		

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS

Year	Boys	Average Age	Girls	Average Age
1907	315	14 years 8 months	420	14 years 10 months
1908	336	14 years 9 months	417	14 years 10 months
1909	345	14 years 9 months	411	14 years 9 months
1910	452	14 years 8 months	429	14 years 11 months
1911 Feb.	153	14 years 2 months	128	14 years 0 months
June	345	14 years 7 months	389	14 years 7 months

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* September 1, 1910, the English High School and the Latin School were united under the name of the Cambridge High and Latin School.

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF STUDY

Year	Boys	Average Age	Girls	Average Age
1907	763	9 years 6 months	704	9 years 5 months
1908	817	9 years 6 months	726	9 years 5 months
1909	798	9 years 5 months	718	9 years 5 months
1910	765	9 years 5 months	731	9 years 4 months
1911	672	9 years 4 months	667	9 years 1 month

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS

Year	In 3½ or 4 years	In 4½ or 5 years	In 5½ or 6 years	In 6½ years or more
1907	6 per cent	27 per cent	50 per cent	17 per cent
1908	7 per cent	24 per cent	52 per cent	17 per cent
1909	6 per cent	21 per cent	54 per cent	19 per cent
1910	6 per cent	26 per cent	52 per cent	16 per cent
1911	9 per cent	28 per cent	50 per cent	13 per cent

LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS

Year	In less than 3 years	In 3 years	Between 3 and 4 years	In 4 years	In more than 4 years
1907	4 per cent	61 per cent	3 per cent	23 per cent	9 per cent
1908	5 per cent	64 per cent	3 per cent	22 per cent	6 per cent
1909	4 per cent	61 per cent	4 per cent	22 per cent	9 per cent
1910	4 per cent	65 per cent	3 per cent	20 per cent	8 per cent
1911	30 per cent	36 per cent	13 per cent	13 per cent	8 per cent

NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL, DECEMBER, 1911

Year	Boys	Girls	Total	Per cent
Post Graduates	16	15	31	.022
Twelfth	49	142	191	.133
Eleventh	59	165	224	.157
Tenth	79	238	317	.222
Ninth *a*	62	105	167	.116
Ninth *b*	122	379	501	.350
Total	387	1,044	1,431	....

Number of Pupils in the Rindge Technical School, December, 1911

Year	Boys		Per cent
Twelfth	82	This school is for boys only. It became a part of the public school system January, 1, 1899.	.143
Eleventh	88		.154
Tenth	134		.234
Ninth *a*	69		.121
Ninth *b*	199		.348
Total	572		....

Number of Pupils in the Grammar Schools, December, 1911

Year	Boys	Girls	Total	Per cent
Eighth	467	474	941	.128
Seventh	805	759	1,564	.212
Sixth	761	763	1,524	.206
Fifth	825	758	1,583	.214
Fourth	896	872	1,768	.240
Total	3,754	3,626	7,380	....

Number of Pupils in the Primary Schools, December, 1911

Year	Boys	Girls	Total	Per cent
Third	815	718	1,533	.317
Second	905	769	1,674	.346
First	891	738	1,629	.337
Total	2,611	2,225	4,836	....

Number of Pupils and Teachers in the Kindergartens

Year	Boys	Girls	Total	Number of Teachers
1907	404	376	780	31
1908	427	440	867	30
1909	406	390	796	30
1910	381	376	757	30
1911	606	503	1,109	28

SUMMARY

DECEMBER, 1911

Number of pupils in the High and Latin School	1,431
Number of pupils in the Rindge Technical School	572
Number of pupils in the Grammar Schools	7,380
Number of pupils in the Primary Schools	4,836
Number of pupils in the Kindergartens	1,109
Number of pupils in the public schools, December, 1911	15,328
Number of pupils in the public schools, December, 1910	15,633
Decrease of pupils, 1911	305
Decrease of pupils, 1910	262
Decrease of pupils, 1909	124
Increase of pupils, 1908	439
Increase of pupils, 1907	105
Increase of pupils, 1906	111
Increase of pupils, 1905	289
Increase of pupils, 1904	140
Increase of pupils, 1903	188
Increase of pupils, 1902	253
Increase of pupils, 1901	62

REMARKS ON THE STATISTICS

The number of pupils registered in the day schools during the school year ending June 23, 1911, was 16,833, a decrease of 323 from the previous year; the average number belonging was 15,135, a decrease of 322; and the average daily attendance was 14,137, a decrease of 239. The number of pupils belonging to the day schools in December, 1910, was 15,633; in December, 1911, 15,328, a decrease of 305.

The cost of instruction for the day schools for the financial year from April 1, 1911, to April 1, 1912, which includes the salaries of teachers, superintendent, supervisor, agent, secretary, clerks and truant officers, was $407,730.84. The total cost of the day schools, which, in accordance with the statutory definition of the support of schools, includes the cost of instruction, text-books and supplies, incidental expenses, care of truants, care of schoolhouses, the cost of fuel and light and the transportation of pupils, was $508,168.85.

The registration in the evening schools from October 9, 1911, to March 8, 1912, was 2,683, an increase of 126 over the previous year, and the average attendance was 1,143, an increase of 162. The total cost of these schools, which includes the cost of instruction, the cost of text-books and supplies, and the care of schoolhouses, including fuel and light, was $15,024.58.

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS, WITH THE AVERAGE ATTENDANCE

	1908-1909	1909-1910	1910-1911	1911-1912
Number registered	157	159	174	121
Average attendance	74	79	70	60

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL SCHOOL, WITH THE AVERAGE ATTENDANCE

	1908-1909	1909-1910	1910-1911	1911-1912
Number registered	98	111	107	109
Average attendance	56	59	51	55

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH AND ELEMENTARY SCHOOLS WITH THE AVERAGE ATTENDANCE

	1908-1909	1909-1910	1910-1911	1911-1912
Number registered	2,525	2,446	2,276	2,453
Average attendance	1,047	952	860	1,028

NUMBER OF PUPILS IN THE PRIVATE SCHOOLS IN CAMBRIDGE, INCLUDING THOSE IN THE PAROCHIAL SCHOOLS

1906	1907	1908	1909	1910	1911
4,068	4,227	4,014	4,128	4,157	4,272

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED

1906	1907	1908	1909	1910	1911
851	868	636	913	870	853
*1,137	*857	*538	*556	*285	*593

* Issued to minors over sixteen years of age.

TABULAR VIEW

Teachers in Service, April 1, 1912

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
High and Latin School			
Leslie L. Cleveland	Head Master	Williams College, A.B.	Jan. 1910
Chester M. Bliss		Amherst College, A.B., A.M.	Sept. 1907
Thomas L. Bramhall		Harvard University, A.B.	Sept. 1910
George H. Cain		(Attended King's College)	Sept. 1909
Percy C. Campbell		Bates College, A.B.	Sept. 1911
Joseph A. Coolidge		Harvard University, A.B., A.M.	Mar. 1892
John I. Phinney		Yale University, A.B.	Dec. 1897
Alfred R. Wightman		Brown Univ., A.M. and Harvard Univ., Ph.D.	Dec. 1905
Helen M. Albee		Radcliffe College, A.B., A.M.	Sept. 1885
Alice C. Baldwin		Wellesley College, A.B.	Sept. 1895
Margaret M. Ball		Lawrence University, Wis., A.B.	Feb. 1912
Mabel M. Bentley		Mt. Allison College, N.B. (Toronto University, 1 year)	Sept. 1911
Margaret S. Bradbury		Radcliffe College, A.B.	Jan. 1902
Alice M. Brown		Normal School of Gymnastics (Special Courses)	Sept. 1910
Isabel S. Burton*		(Private schools and studied abroad)	Sept. 1899
Ethel E. Carr		Radcliffe College, A.B.	Sept. 1908
Elise H. Carret		Normal Art School. (Special Courses)	Sept. 1910
Alice D. Chamberlain		Radcliffe College, A.B.	Sept. 1900
Caroline Close		Cambridge Training School. (Special Courses)	Nov. 1874
Bertha L. Cogswell		Boston University, A.B., A.M.	Jan. 1894
Gertrude H. Crook		Boston Univ., A.B., Radcliffe College, A.M.	Sept. 1896
Edna C. Cullis		Boston University, A.B.	Sept. 1911
Mary L. Cunningham		Salem Normal School. (Courses at Radcliffe College)	Sept. 1900
Grace L. Deering		Maine Seminary. (Courses abroad and at Radcliffe College)	Feb. 1892
Grace E. Dennett		Radcliffe College, A.M., Simmons College, S.B.	Sept. 1907
Esther S. Dodge		Boston University, A.B.	Oct. 1897
Caroline Drew		(Private schools and studied abroad)	Oct. 1888
Sara L. Fisher		Smith College, A.B.	Sept. 1910
Elizabeth B. Flanders		Framingham Normal School. (Courses at Radcliffe)	Sept. 1905
Florence H. French		Radcliffe College, A.B.	Nov. 1909
Margaret J. Griffith		Radcliffe College, A.B.	Sept. 1903
Louise A. Hannon		Radcliffe College, A.B.	Feb. 1912
Mary C. Hardy		Smith College, A.B.	Dec. 1891
Miriam H. Harris		Boston University, A.B.	Sept. 1911
Elizabeth L. Huling		Radcliffe College, A.B., A.M.	Sept. 1905
Ellen P. Huling		Radcliffe College, A.B., A.M.	Sept. 1904
Mabel F. Ivers		Salem Normal School	Sept. 1911

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* On leave of absence for study or travel in accordance with the Rules of the School Committee.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
High and Latin Sch.—Con.			
Sarah W. Kelly		Wellesley College, A.B.	Feb. 1911
Maud A. Lawson		Radcliffe College, A.B.	Sept. 1892
E. Josephine Martin		Boston University, A.B.	Feb. 1912
Gertrude M. Mason		Gorham, Me., Normal School. Bryant and Stratton's Com. College, Springfield, Mass.	Feb. 1912
Ethel G. McElroy		Radcliffe College, A.B., A.M.	Sept. 1911
Henrietta E. McIntire*		Radcliffe College, A.B., A.M.	Sept. 1891
Mary Moulton		(Attended Wellesley College two years)	Sept. 1890
Louisa P. Parker		Westfield Normal School. (Courses at Radcliffe College)	Mar. 1881
Helen N. Parsons		Smith College, A.B.	Feb. 1911
Clessie P Putnam		Bay Path Institute, N.B. Forbes Library Training Class, Northampton, Mass.	Sept. 1911
Lillian C. Rogers		Boston University, A.B.	Sept. 1893
Eva M Ruggli		Radcliffe College, A.B.	Feb. 1912
Ethel V. Sampson		Radcliffe College, A.B.	Sept. 1899
Olive K. Ryan		Tufts College, A.B.	Sept. 1911
Caroline A. Sawyer		Boston Univ., A.B. Radcliffe College, A.M.	Sept. 1886
Florence W. Smith		Radcliffe College, A.B.	Sept. 1897
Martha R. Smith		Boston Normal School	Jan. 1882
Jennie S. Spring		Smith College, A.B.	Mar. 1886
Delia M. Stickney		Institute of Technology. S.B.	Sept. 1888
Annie F. Stratton		Radcliffe College, A.B.	Sept. 1899
Helen A. Taff		Radcliffe College, A.B.	Sept. 1910
Mabel D. Watson		Radcliffe College, A.B.	Sept. 1901
Elvena Young		Bates College, A.B.	Feb. 1911
Martha L. Babbitt	Sec. and Lib.	Cambridge Training School	May 1887
Annie S. Dodge	Sec. and Lib.	Cambridge Latin School	Dec. 1892
Rindge Technical School			
John W. Wood, Jr.	Head Master	Harvard University, S. B.	Jan. 1899
Myra I. Ellis		Cambridge Training School. (Berlin University)	Feb. 1878
Helen W. Metcalf		Mt. Holyoke College, A.B.	Sept. 1898
Gertrude B. Rogers		(Attended Colby College 2 years). Tufts College 2 years, A.B.	Feb. 1911
Anna R. Ward		Indiana State University	Sept. 1909
Florence Waugh		Radcliffe College, A.B.	Sept. 1907
Ingolf V. Boekmann		Norway Technical School. (Attended Sloyd schools)	Feb. 1911
Otis H. Bramhall		Harvard University, A.B.	Apr. 1908
Winburn S. Cannell		Tufts College, A.B.	Sept. 1908
Edwin M. Chamberlain		Harvard University, A.B.	Sept. 1911
James F. Conlin		Harvard University, A.B., A.M.	Feb. 1905
Joseph B. Davison		Malden High School	Apr. 1909
George H. Gohlke		University of Wisconsin, B.L.	Sept. 1911
Evan W. Griffiths		Harvard University, A.B.	Sept. 1903
John C. Hall		Boston University, S. B.	Sept. 1908

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* On leave of absence for study or travel in accordance with the Rules of the School Committee.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Rindge Tech. School—Con.			
Charles C. Jones		Warner, N. H., High School	Sept. 1911
Edward R. Markham,		Wesleyan Academy. (Courses in Mech. Engineering)	Sept. 1903
Clarence L. Mosher		Rindge Manual Training School	Sept. 1910
Joseph M. Norton		Dartmouth College, A.B.	Sept. 1899
Otis A. Philbrick		Mass. Normal Art School	Sept. 1911
Leverett L. Preble		(Private Instruction and Shop experience). (Special Courses)	Sept. 1910
Charles H. Richert		Boston Normal Art School	Dec. 1905
Frederic H. Sawyer		Harvard University, A.B., A.M.	Sept. 1908
James G. Telfer		Common Schools	June 1889
Albert L. Ware		Cambridge High School. (Mechanical Courses)	Aug. 1888
Max Weiss		Harvard University, S.B.	Sept. 1910
Howard A. Wiggin		Bates College, A.B.	Sept. 1908
Marion L. Pike	Secretary	Cambridge Latin School	Sept. 1909
Agassiz School			
Maria L. Baldwin	Principal	Cambridge High School. (Courses at Harvard)*	Sept. 1882
Agnes L. Tracy	7	Cambridge High School. (Radcliffe College, 3 years)	Oct. 1904
Catherine G. Kelley	6	Boston University, A.B.	Sept. 1908
Helen G. Linehan	5	Trinity Coll., Washington, A.B.°	Sept. 1909
Frances W. Dawson	4	Bradford Academy. (Special Courses)	Sept. 1902†
Lucy A. Roper	2	Salem Normal School°	Sept. 1907
Grace C. Stedman	1	Cambridge High School. Kindergarten Training School	May 1896
Boardman School			
Elizabeth J. Karcher	Principal	Cambridge High School. (Special Courses)*	May 1881
Blanche M. Gould	3	Colby Academy, N. H. (Boston University, 2½ years)°	Oct. 1904
Pauline V. Casey	2	Framingham Normal School°	Sept. 1910
Malvina M. Joslin	2	Northfield, Vt., High School	May 1891
Mary C. Ward	2	Salem Normal School°	Mar. 1911
Mabel E. Blake	1	North Andover High School	Jan. 1892
Jennie E. Brooks	1	Salem Normal School°	Sept. 1910
Ruth M. Craig	1	Kindergarten Normal School°	Sept. 1910
Cushing School			
Sarah C. McManama	Prin. 1	Bridgewater Normal School°	Sept. 1907
Louise A. Kelly	3–2	Lowell Normal School°	Dec. 1911
Ellis School			
Edward O. Grover	Master	Adelphian Academy. Phillips Academy. (Course at Harvard)	Jan. 1879
Nellie A. Hutchins	8	Cambridge High School*	Sept. 1874
Caroline L. Blake	8	Wheaton Seminary	Sept. 1894

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* Attended the Cambridge Training School.
° Attended the Wellington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Ellis School—Continued			
Adelaide G. Bunker	8	Bridgewater Normal School	Nov. 1902
Charlotte L. Griswold	8	New Britain Normal School	Sept. 1894
Louise H. Griswold	8	Terryville High School	Sept. 1893
Ernest Libby	7	Bridgewater Normal School (Attended Chicago University)	Sept. 1906
Edith T. Bates	7	Framingham Normal School	Sept. 1909
Emma A. Faulkner	7	(Attended Keene, N. H., High School)	Oct. 1887
Josephine C. Wyman	7	Farmington, Me., Normal School	Apr. 1903
Flora C. Ingraham	6	Providence Normal School	Oct. 1888
Mary A. Stephenson	5	Bridgewater Normal School	Sept. 1898
Sarah W. Mendell	5	Tabor Academy. (Attended Quincy Training School)	Feb. 1901
Ellen J. Hunt	4	Salem Normal School	June 1883
Felton School			
C. Florence Smith	Prin. 3	Boston Normal School. (Harvard Summer School)°	Jan. 1888
Marcia R. Bowman	2	Framingham Normal School°	Sept. 1895
Carrie H. Smith	2–1	Cambridge High School*	Jan. 1875
Anna F. Moran	1	Kindergarten Training School°	Sept. 1911
Fletcher School			
George B. Colesworthy	Master	Bowdoin College, A.B. Harvard University, A.B.	Sept. 1903
Nellie A. Coburn	8	Lowell High School. (Attended Private Seminary)	Sept. 1901
Mary N. Flewelling	8	Salem Normal School°	Oct. 1904
Susan L. Senter	7	Medway High School°	Sept. 1898
Jane O. Mosher	7–6	Boston University, A.B.°	Sept. 1911
Emma G. Wentworth	6	Salem Normal School°	Oct. 1902
Gertrude M. Webster	6–5	N. H. Training School. (Attended Normal School)	Apr. 1905
Frances E. Higgins	5	Cambridge High School	Sept. 1893†
Mary I. Chapin	5–4	(Attended Indiana Normal School)	Oct. 1904
Elmira F. Hall	4	Cambridge High School°	May 1897†
Martha B. Perkins	4–3	Salem Normal School	Sept. 1904
Gertrude M. Baker	3	Radcliffe College, A.B.°	Sept. 1905
Marion Prescott	3–2	Cambridge English High School°	Oct. 1898
Eva A. Taylor	2	Cambridge High School°	May 1886
Hattie A. Thayer	2–1	Boston Normal School°	Sept. 1896†
Mabel A. Gauthier	1	Salem Normal School°	Dec. 1907
Gannett School			
Mary A. Rady	Prin. 1	Normal School and School of Expression. (Special Courses)	Sept. 1880
Gertrude T. Sullivan	3	Salem Normal School°	Dec. 1902
Margaret F. Sanderson	2	Salem Normal School°	Nov. 1900
Annie M. Billings	2–1	Cushing Academy. (Attended Quincy Training School)	May 1893

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* Attended the Cambridge Training School.
° Attended the Wellington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Gore School			
Mary E. Mulloney	Principal	Cambridge Training School. (Special Courses)	Sept. 1878
Catherine L. Dinneen	3	Salem Normal School°	Dec. 1908
Anastasia R. Peters	3	Newton High School. (Special Courses)°	Oct. 1892
Nora E. Reardon	3	Salem Normal School°	Sept. 1900
Mary L. Donovan	2	Cambridge English High School. (Salem Normal School, 2 yrs.)°	Dec. 1905
Katherine L. McElroy	2	Salem Normal School	May 1888
Julia G. McHugh	2	Salem Normal School°	Oct. 1894
Anna E. Callahan	1	Salem Normal School	Sept. 1883
Agnes K. Geary	1	Salem Normal School°	Jan. 1909
Kate A. Hegarty	1	Coburn, Me., Classical Institute. (Special Courses)	Sept. 1896
Harvard School			
William L. MacGregor	Master	Richmond, N. S., High School. (Attended Hyannis Normal School)	Sept. 1906
Katherine L. Carr	8	Potsdam, N. Y., Normal School	Nov. 1901
Estella J. French	8	Cambridge High School. (Special Courses)*	Sept. 1872
Hortense O. Young	8	Fall River High School	Sept. 1883
Addie L. Bartlett	7	Castine, Me., Normal School. (Special Courses at Harvard)	Sept. 1890
Gertrude P. McCusker	7	Salem Normal School°	Sept. 1907
Honora F. O'Brien	7	Gloucester High School. (Attended Boston Normal School)	Sept. 1909
Frances Fabyan	6	Cambridge High School*	Jan. 1878
Annie M. Street	6	Westfield Normal School. (Attended Summer Institute)	Sept. 1889
Lucy E. Sullivan	6	Framingham Normal School	Nov. 1909
Margaret M. Fearns	5	Salem Normal School°	Mar. 1897
Annie B. Lowell	5	Portland, Me., Normal School	Apr. 1898
Grace I. Nelligan	5	Salem Normal School°	Sept. 1911
Carolyn E. MacDonald	4	Salem Normal School°	Jan. 1909
Louise C. Patterson	4	Northampton High School. (College work at Harvard)	Dec. 1892
Elizabeth L. Setchell	4	Salem Normal School	Sept. 1888‡
Julia M. Davis	3	Baltimore High School. (Maryland Normal School, 1 year)°	May 1900
Houghton School			
James E. White	Master	Bridgewater Normal School	Jan. 1906
Blanche E. Townsend	8	Salem Normal School	Sept. 1900
Winifred L. Kinsley	7	Boston Normal School°	Sept. 1888‡
Margaret J. Penney	6	Cambridge High School*	Apr. 1882
Hattie Shepherd	5	Cambridge High School*	Sept. 1882
R. Emily Penney	5	Salem Normal School	June 1893
Grace S. Beckwith	4	Westfield Normal School°	Sept. 1904†
Katharine F. Callahan	4	Salem Normal School°	Nov. 1903
Mary G. Snow	4	Salem Normal School°	Sept. 1905

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* Attended the Cambridge Training School.
° Attended the Wellington Training School.
† Taught previous to this and resigned.
‡ Resigned for one year and was reappointed.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointmen
Houghton School—Con.			
Elizabeth A. Tower	3	Cambridge High School*	Dec. 1870
Mary A. Burke	3–2	Salem Normal School°	Sept. 1885
Margaret L. Cosgrove	2	Boston Normal School°	Sept. 1909
Amanda M. Alger	1	Cambridge High School*	May 1880
Kelley School			
H. Warren Foss	Master	Colby College, Me., A.B.	Sept. 1904
Catharine A. McLean	8	Salem Normal School°	Oct. 1899
Ethel I. Murch	7	Cambridge English High School. (Summer School)°	Oct. 1899
Emma J. Houlahan	7	Salem Normal School°	Sept. 1903
Esther D. Paul	7–6	Boston University, A.B.°	Oct. 1899
Ellen A. Kidder	6	(Teachers' Courses and Summer Courses at Harvard)°	Oct. 1890
Elsie H. Cooter	5	Salem Normal School°	Sept. 1908
Maude M. Dutton	5	Bridgewater Normal School°	Oct. 1899
Mary L. Feeny	5–4	Salem Normal School°	Sept. 1907
Margaret B. McCullough	4	Salem Normal School°	Sept. 1908
Mary E. Regan	4–3	Salem Normal School°	Oct. 1899
Julia M. Horgan	3	Salem Normal School°	Sept. 1908
Mary E. Moran	3–2	Salem Normal School°	Oct. 1904
Ellen T. Carroll	2	Kindergarten Training School°	Sept. 1907
Olive L. Cook	1	Framingham Normal School	Apr. 1905
Eva G. Oakes	1	Warren High School. (Martha's Vineyard Summer School, 5 years)	Oct. 1898
Lassell School			
Rose V. Collier	Prin. 2	Boston Normal School	Sept. 1888
Minnie A. Doran	3	Salem Normal School. (Special Courses)°	Sept. 1895
Elizabeth B. Gahm	2	Cambridge High School*	Sept. 1882
Jennie L. Powell	1	Salem Normal School°	Sept. 1911
Lowell School			
Eusebia A. Minard	Prin. 3–2	Truro, N. S., Normal School	Oct. 1893
Cora B. Poole	5–4	Salem Normal School°	Feb. 1906
Agnes J. McElroy	2–1	Salem Normal School°	Dec. 1891
Merrill School			
Louise W. Harris	Principal	Cambridge High School. (Special Courses)*	Jan. 1876
Katharine Pendergast	3	Warren High School°	Sept. 1909
Henriette E. de Rochemont	2	Portsmouth, N. H., Normal School	Sept. 1894
Nellie F. Walker	2	Kennebunk, Me., High School. (Attended Com. College)	Sept. 1899
Marion B. Magwire	2–1	Framingham Normal School°	June 1894
Gertrude S. Thayer	1	Salem Normal School°	Sept. 1903
Morse School			
Mary A. Townsend	Master	Farmington, Me., Normal School	Apr. 1882
Mary E. Towle	8	Westfield Normal School	Feb. 1874

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* Attended the Cambridge Training School.
°Attended the Wellington Training School.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Morse School—Con.			
Clintina E. Curtis	8–7	Plymouth, N. H., Normal School	Dec. 1907
Ida J. Holmes	7	Rhode Island Normal School	Sept. 1895
Florence E. Hunter	7	Castleton, Vt., Normal School	Feb. 1900
Anna A. O'Connell	6	Bridgewater Normal School°	Sept. 1900
Lucy M. Soulée	6–5	Everett High School	Sept. 1893
Elizabeth H. Richards	5	Robinson Seminary, N. H.°	Jan. 1899
Alice E. May	4	Bridgewater Normal School	Oct. 1893
Mary E. Warren	4	Lawrence Academy, Groton	Jan. 1902
Bertha J. Waldron	3	Susquehanna Collegiate Institute	Sept. 1904
Edith M. Carman	3	Salem Normal School°	Dec. 1904
Elizabeth J. Baldwin	3–2	Boston Normal School°	Jan. 1886
Christina R. Denyven	2–1	Bridgewater Normal School°	Jan. 1888
Grace E. Lally	1	Boston Normal School°	Jan. 1909
Otis School			
Luella M. Marsh	Principal	Cambridge High School*	Feb. 1884
Gertrude H. Glavin	3	Bridgewater Normal School	Nov. 1909
Julia S. Lewis	3	Framingham Normal School°	Nov. 1909
Anna N. Sullivan	2	Boston Normal School°	Mar. 1901
Julia A. Walsh	2	Salem Normal School°	Sept. 1910
Josephine M. Doherty	2–1	Cambridge High School*	Sept. 1877
Frances Allen	1	Cambridge High School*	Jan. 1873
Parker School			
Mary A. Knowles	Principal	Howe High School, Billerica. (Special Courses)	Sept. 1897
Mattie S. Cutting	3	(Attended Worcester Normal School)	Oct. 1898
Helena Lyons	3–2	Framingham Normal School°	Sept. 1910
Harriet R. Harrington	2	St. Johnsbury Academy. (Special Courses)°	Sept. 1897
Rose M. O'Toole	1	Fitchburg Normal School. (Post-graduate Course, 2 years)	Jan. 1910
Agnes Marchant	1	Mt. Holyoke Seminary. Bridgewater Normal School. (Special Courses)°	Oct. 1894
Peabody School			
H. Herbert Richardson	Master	Tufts College, A.B.	Sept. 1904
Charlotte A. Ewell	8	Cambridge High School	Mar. 1868
Alice M. Tufts	8	Salem Normal School	Sept. 1896
Helen A. Abbott	7	Radcliffe College, A.B.	Sept. 1911
Anna F. Bellows	7	Lancaster Academy	Sept. 1889
Isadore M. Thompson	7	Maine Wesleyan Seminary°	Sept. 1904
Susan C. Allison	6	Cambridge High School. (Attended Boston Normal School)°	Sept. 1889
Bernice E. Bartlett	6–5	Emerson School of Oratory°	Sept. 1907
Madeleine Wood	5	Radcliffe College, A.B.	Sept. 1907
Blanche C. Trefethen	4	Normal Department, Robinson Seminary°	Mar. 1895†
Tina M. King	4–3	Bridgewater Normal School°	Sept. 1908
Anna H. Welsh	3	(Attended Wellesley College, 2 years)°	Sept. 1901

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° Attended the Wellington Training School.
† Resigned for one year and was reappointed.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Taylor School			
Ella R. Avery	Principal	Cambridge High School. (Special Courses)	Apr. 1881†
Mary A. Boland	5	Salem Normal School°	Jan. 1898
Emma M. Goodwin	5–4	Farmington, Me., Normal School	Feb. 1910
Alice G. Dacey	4	Salem Normal School°	Jan. 1909
Winifred B. Goodwillie	4–3	Salem Normal School°	Mar. 1906
Alice V. Carmichael	3	Salem Normal School°	Mar. 1908
Lillian W. Davis	3–2	Maryland Normal School°	Dec. 1902
Alice W. Gaughan	2	Salem Normal School°	Mar. 1911
Emily M. Dowd	2–1	Lowell Normal School°	Nov. 1905
Annie A. Rea	1	Castine, Me., Normal School	Sept. 1909
Thorndike School			
James Dugan	Master	Amherst College, A.B.	Jan. 1910
Harriet A. Townsend	8	Framingham Normal School	Sept. 1887
Eleanor E. O'Brien	8	Salem Normal School	Sept. 1909
Ellen M. Plympton	7	Salem Normal School	Sept. 1898†
Mabel A. Short	7	Smith College, A.B.°	Dec. 1904
Laura S. Westcott	6	Boston Normal School	Sept. 1884
Lillian H. Kenney	6	Salem Normal School°	Mar. 1901
Mary E. Bousquet	5	Salem Normal School°	Sept. 1909
Grace W. Fletcher	5	Cambridge High School*	Feb. 1874
Margaret M. Carroll	5–4	Salem Normal School°	Sept. 1911
Gertrude R. O'Hara	4	Salem Normal School°	Oct. 1910
Ethel M. MacLeod	4	Radcliffe College, A.B.°	Mar. 1906
Clare M. Sullivan	4	Salem Normal School°	Sept. 1910
Webster School			
John D. Billings	Master	Bridgewater Normal School. Boston Sloyd Training School. Tufts College, A.M. (Honorary)	Sept. 1872
Alice C. Phinney	8	(Attended Bridgewater Normal School)	Oct. 1881
Martha N. Hanson	8	(Attended N. H. Normal School)	Mar. 1890
Charlotte M. Chase	8	Cambridge Training School	Sept. 1873
James H. Armstrong	8–7	Harvard College, A.M. Bridgewater Normal School	Sept. 1909
Ada A. Billings	7	Bridgewater Normal School	Sept. 1889
Josephine Hills	7	Framingham Normal School	Sept. 1893
Harriette E. Shepard	7	Salem Normal School°	Oct. 1890
Olive L. Slater	7	Westfield Normal School	Sept. 1899
Fannie F. Curtis	6	Bridgewater Normal School	Mar. 1898
Gertrude B. Duffy	6	Salem Normal School. (English Courses at Harvard)°	Apr. 1902
Katharine M. Greene	6	Salem Normal School°	Sept. 1904
Mary E. Murray	6	Cambridge Latin School. (Radcliffe College, 1 year)°	Sept. 1908
Nora P. Nason	6	Gorham, Me., Normal School	Dec. 1906
Minnie V. Reid	6	Boston Normal School°	Sept. 1888
Edna M. Smith	6	Salem Normal School°	Nov. 1910
Mabel T. Ashley	5	Framingham Normal School	Sept. 1896

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° Attended Wellington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Webster School—Con.			
arion Beane	5	Mt. Holyoke College, A.B.	Jan. 1911
onora A. Connell	5	Salem Normal School°	Sept. 1910
rances T. Haley	5	Bridgewater Normal School°	Sept. 1910
ertrude E. Corry	4	Lowell Normal School°	Jan. 1912
anny M. Field	4	Bridgewater Normal School	Sept. 1909
ertrude I. Johnson	4	Worcester Normal School	Sept. 1901
ertrude A. Kenney	4	Bridgewater Normal School°	Dec. 1906
nna G. Scannell	4	Salem Normal School	Sept. 1905
Wellington School			
erbert H. Bates	Master	Westfield Normal School	Oct. 1883
argaret Kidd	Supervisor	Cambridge High School*	Sept. 1880
ary I. Vinton	Supervisor	Salem Normal School	Mar. 1881
arrie H. Stevens	8	Farmington, Me., Normal School	Nov. 1894
race F. Chamberlain	8	Framingham Normal School	Apr. 1903
ina L. Kendall	8–7	Randolph, Vt., Normal School	Sept. 1909
arion B. Alley	7	Radcliffe College, A.B.°	Sept. 1909
llen L. Welch	7	Mt. Holyoke College, A.B.°	Sept. 1911
rances S. Garraway	7	Framingham Normal School°	Nov. 1911
llen A. Sullivan	Clerk	Salem Normal School°	Sept. 1905
arion R. Crighton	Substitute	Wellington Training School	
velyn S. Crowell	Substitute	Kindergarten Training School°	
lorence A. Hickey	Substitute	Salem Normal School°	
ertrude A. Murphy	Substitute	Salem Normal School°	
inifred M. Nolan	Substitute	Lowell Normal School°	
leanor S. O'Connor	Substitute	Salem Normal School°	
ary T. Shea	Substitute	Lowell Normal School°	
arion L. Smith	Substitute	Lowell Normal School°	
raining Class			
Willard School			
atharine E. Hayes	Principal	Framingham Normal School	Sept. 1902
ucy F. Cline	3	Kindergarten Normal School°	Oct. 1910
ary E. G. Harrington	3	Cambridge High School*	Apr. 1881
nnie M. Sands	3	Bridgewater Normal School°	Nov. 1905
liza D. Watson	3	High School. (Course at Boston University)	Sept. 1888†
lizabeth M. Crowley	2	Salem Normal School°	Dec. 1901
atherine M. Lowell	2	High School	Sept. 1868
gnes L. Moran	2	Salem Normal School°	Sept. 1909
race R. Woodward	2	Cambridge High School*	Oct. 1874
galena Aldrich	1	Cushing Academy. (Wellesley College, 2 years)°	Sept. 1901
ary A. Flynn	1	Framingham Normal School	Feb. 1910
lla F. Gulliver	1	Eastern Normal School, Me.	Apr. 1886
Wyman School			
ddie M. Bettinson	Prin. 2	Cambridge High School*	Feb. 1872
atherine L. Dolan	2	Salem Normal School°	Nov. 1898
enevieve S. Flint	2	Worcester Normal School°	Nov. 1892
ary H. Brooks	1	Bridgewater Normal School°	Sept. 1898
ennie B. Ross	1	Salem Normal School°	Sept. 1903

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* Attended Cambridge Training School.
° Attended Welington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date o Appointm
Taylor School			
Ella R. Avery	Principal	Cambridge High School. (Special Courses)	Apr. 18 †
Mary A. Boland	5	Salem Normal School°	Jan. 18
Emma M. Goodwin	5–4	Farmington, Me., Normal School	Feb. 19
Alice G. Dacey	4	Salem Normal School°	Jan. 19
Winifred B. Goodwillie	4–3	Salem Normal School°	Mar. 19
Alice V. Carmichael	3	Salem Normal School°	Mar. 19
Lillian W. Davis	3–2	Maryland Normal School°	Dec. 19
Alice W. Gaughan	2	Salem Normal School°	Mar. 19
Emily M. Dowd	2–1	Lowell Normal School°	Nov. 19
Annie A. Rea	1	Castine, Me., Normal School	Sept. 19
Thorndike School			
James Dugan	Master	Amherst College, A.B.	Jan. 19
Harriet A. Townsend	8	Framingham Normal School	Sept. 18
Eleanor E. O'Brien	8	Salem Normal School	Sept. 19
Ellen M. Plympton	7	Salem Normal School	Sept. 18 †
Mabel A. Short	7	Smith College, A.B.°	Dec. 19
Laura S. Westcott	6	Boston Normal School	Sept. 18
Lillian H. Kenney	6	Salem Normal School°	Mar. 19
Mary E. Bousquet	5	Salem Normal School°	Sept. 19
Grace W. Fletcher	5	Cambridge High School*	Feb. 18
Margaret M. Carroll	5–4	Salem Normal School°	Sept. 19
Gertrude R. O'Hara	4	Salem Normal School°	Oct. 19
Ethel M. MacLeod	4	Radcliffe College, A.B.°	Mar. 19
Clare M. Sullivan	4	Salem Normal School°	Sept. 19
Webster School			
John D. Billings	Master	Bridgewater Normal School. Boston Sloyd Training School. Tufts College, A.M. (Honorary)	Sept. 18
Alice C. Phinney	8	(Attended Bridgewater Normal School)	Oct. 18
Martha N. Hanson	8	(Attended N. H. Normal School)	Mar. 18
Charlotte M. Chase	8	Cambridge Training School	Sept. 18
James H. Armstrong	8–7	Harvard College, A.M. Bridgewater Normal School	Sept. 19
Ada A. Billings	7	Bridgewater Normal School	Sept. 18
Josephine Hills	7	Framingham Normal School	Sept. 18
Harriette E. Shepard	7	Salem Normal School°	Oct. 18
Olive L. Slater	7	Westfield Normal School	Sept. 18
Fannie F. Curtis	6	Bridgewater Normal School	Mar. 18
Gertrude B. Duffy	6	Salem Normal School. (English Courses at Harvard)°	Apr. 19
Katharine M. Greene	6	Salem Normal School°	Sept. 19
Mary E. Murray	6	Cambridge Latin School. (Radcliffe College, 1 year)°	Sept. 19
Nora P. Nason	6	Gorham, Me., Normal School	Dec. 19
Minnie V. Reid	6	Boston Normal School°	Sept. 18
Edna M. Smith	6	Salem Normal School°	Nov. 19
Mabel T. Ashley	5	Framingham Normal School	Sept. 18

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° Attended Wellington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Webster School—Con.			
Marion Beane	5	Mt. Holyoke College, A.B.	Jan. 1911
Honora A. Connell	5	Salem Normal School°	Sept. 1910
Frances T. Haley	5	Bridgewater Normal School°	Sept. 1910
Gertrude E. Corry	4	Lowell Normal School°	Jan. 1912
Fanny M. Field	4	Bridgewater Normal School	Sept. 1909
Gertrude I. Johnson	4	Worcester Normal School	Sept. 1901
Gertrude A. Kenney	4	Bridgewater Normal School°	Dec. 1906
Anna G. Scannell	4	Salem Normal School	Sept. 1905
Wellington School			
Herbert H. Bates	Master	Westfield Normal School	Oct. 1883
Margaret Kidd	Supervisor	Cambridge High School*	Sept. 1880
Mary I. Vinton	Supervisor	Salem Normal School	Mar. 1881
Carrie H. Stevens	8	Farmington, Me., Normal School	Nov. 1894
Grace F. Chamberlain	8	Framingham Normal School	Apr. 1903
Nina L. Kendall	8–7	Randolph, Vt., Normal School	Sept. 1909
Marion B. Alley	7	Radcliffe College, A.B.°	Sept. 1909
Ellen L. Welch	7	Mt. Holyoke College, A.B.°	Sept. 1911
Frances S. Garraway	7	Framingham Normal School°	Nov. 1911
Ellen A. Sullivan	Clerk	Salem Normal School°	Sept. 1905
Marion R. Crighton	Substitute	Wellington Training School	
Evelyn S. Crowell	Substitute	Kindergarten Training School°	
Florence A. Hickey	Substitute	Salem Normal School°	
Gertrude A. Murphy	Substitute	Salem Normal School°	
Winifred M. Nolan	Substitute	Lowell Normal School°	
Eleanor S. O'Connor	Substitute	Salem Normal School°	
Mary T. Shea	Substitute	Lowell Normal School°	
Marion L. Smith	Substitute	Lowell Normal School°	
Training Class			
Willard School			
Katharine E. Hayes	Principal	Framingham Normal School	Sept. 1902
Lucy F. Cline	3	Kindergarten Normal School°	Oct. 1910
Mary E. G. Harrington	3	Cambridge High School*	Apr. 1881
Annie M. Sands	3	Bridgewater Normal School°	Nov. 1905
Eliza D. Watson	3	High School. (Course at Boston University)	Sept. 1888†
Elizabeth M. Crowley	2	Salem Normal School°	Dec. 1901
Katherine M. Lowell	2	High School	Sept. 1868
Agnes L. Moran	2	Salem Normal School°	Sept. 1909
Grace R. Woodward	2	Cambridge High School*	Oct. 1874
Agalena Aldrich	1	Cushing Academy. (Wellesley College, 2 years)°	Sept. 1901
Mary A. Flynn	1	Framingham Normal School	Feb. 1910
Ella F. Gulliver	1	Eastern Normal School, Me.	Apr. 1886
Wyman School			
Addie M. Bettinson	Prin. 2	Cambridge High School*	Feb. 1872
Katherine L. Dolan	2	Salem Normal School°	Nov. 1898
Genevieve S. Flint	2	Worcester Normal School°	Nov. 1892
Mary H. Brooks	1	Bridgewater Normal School°	Sept. 1898
Jennie B. Ross	1	Salem Normal School°	Sept. 1903

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° Attended Welington Training School.
† Taught previous to this and resigned.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Open Air School			
Annie P. Butler	Principal	Trinity Coll., Washington, A.B.°	Sept. 1909
KINDERGARTENS			
Boardman			
Florence Rice	Head Kind.	Kindergarten Training School. (Radcliffe College, 2 years)	Sept. 1899
Dorothea Cutler	Assistant	Kindergarten Training School°	Sept. 1909
Corlett			
Annie M. Dodd	Head Kind.	Kindergarten Training School	Sept. 1897
Gannett			
Carrie E. Shepherd	Head Kind.	Kindergarten Training School (Special Courses)	Sept. 1897
Gore			
Selma E. Berthold	Head Kind.	Kindergarten Training School	Sept. 1889
Annie L. Crane	Assistant	Kindergarten Training School	Dec. 1904
Houghton			
Marion L. Akerman	Head Kind.	Kindergarten Training School	Apr. 1900
Ruth L. Pike	Assistant	Kindergarten Training School°	Sept. 1909
Lowell			
Melinda Gates	Head Kind.	Kindergarten Training School (Berlitz School)	Sept. 1889
Merrill			
Caroline A. Leighton	Head Kind.	Kindergarten Training School (Special Courses)	Sept. 1896
Gertrude L. Bunton	Assistant	Kindergarten Training School°	Oct. 1910
Parker			
Anna D. Francis	Head Kind.	Kindergarten Training School°	Jan. 1906
Peabody			
Irene L. Phelps	Head Kind.	Kindergarten Training School°	Apr. 1904
Shaw			
Harriette E. Ryan	Head Kind.	Kindergarten Training School (Post-graduate Courses)	Sept. 1889
Louise M. Clark	Assistant	Kindergarten Training School°	Sept. 1910
Sleeper			
Mabel S. Adams	Head Kind.	Kindergarten Training School	Oct. 1893
Ethel M. S. Smith	Assistant	Kindergarten Training School°	Sept. 1911
Taylor			
Mary F. Leland	Head Kind.	Kindergarten Training School	Mar. 1896
Helen F. Dogherty	Assistant	Kindergarten Training School°	Sept. 1911
Webster			
Jennie S. Clough	Head Kind.	Kindergarten Training School	Sept. 1897

° Attended Wellington Training School.

TABULAR VIEW—Continued

Schools and Teachers	Year	Where Graduated Highest Institution (Also other Courses)	Date of Appointment
Webster—Continued			
Helen N. Hicks	Assistant	Kindergarten Training School°	Sept. 1910
Wellington			
Gertrude M. Gove	Head Kind.	Kindergarten Training School	May 1893
Carita B. Dickson	Assistant	Kindergarten Training School	Apr. 1907
Willard			
Alice V. McIntire	Head Kind.	Kindergarten Training School	Sept. 1897
Mary A. McMahon	Assistant	Kindergarten Training School	Oct. 1911
Wyman			
Clara A. Hall	Head Kind.	Kindergarten Training School (Special Courses)	May 1892
E. Francis Hawes	Assistant	Kindergarten Training School°	Sept. 1911
Music			
John B. Whoriskey	Director	(Special Courses in vocal and instrumental music)	Feb. 1911
Annie R. Hooper	Assistant	Robinson Seminary. (Attended Boston Conservatory of Music)	Jan. 1907
Drawing			
Peter Roos	Director	(Courses in Sweden and in the Boston Normal Art School)	Oct. 1896
Lucia N. Jennison	Assistant	Worcester Normal School. Boston Normal Art School	Dec. 1893
Physical Education			
Ernst Hermann	Director	German College. Boston Normal School of Gymnastics	Sept. 1910
Manual Training			
Jennie M. Cilley	Ele. Grades	Maine Normal School. Boston Sloyd Training School	Sept. 1909
Guido L. Carpi	Ele. Grades	Boston Normal Art School. (Special Courses)	Sept. 1910
Earle J. Hesselton	Ele. Grades	Boston Normal Art School	Sept. 1911
John E. Howard	Ele. Grades	Sloyd Training School. Law School	Sept. 1911
Lester W. Ladd	Ele. Grades	Harvard University, B.A.S.	Sept. 1910
Special Teacher			
Maude A. Deehan	Ele. Grades	Portland, Me., Normal School (Special Courses)	Dec. 1893

° Attended Wellington Training School.

Tabular View—Concluded

Teachers of Sewing	Agnes Gordon, Director Katharine A. Burke Nancy T. Dawe Maude E. Delorme Alice H. Nay
Permanent Substitute	Mary A. Driscoll
Master Emeritus, Latin School	William F. Bradbury
Master Emeritus, Thorndike School	Ruel H. Fletcher
Unassigned Teachers:	
High School	Emma A. Scudder
Grammar Schools	Sarah J. Gunnison
" "	Annie B. Josselyn
" "	Emily R. Pitkin
" "	Lydia A. Whitcher
Primary Schools	Sally N. Chamberlain
" "	Ellen A. Cheney
" "	Georgianna P. Dutcher
" "	M. Elizabeth Evans
" "	Mary M. Gilman
" "	Ellen N. Leighton
" "	Frances E. Pendexter
" "	Julia A. Robinson
" "	Mary E. Sawyer
" "	Abby S. Taylor

Superintendent of Schools	FRANK E. PARLIN
Supervisor of Primary Schools	MARY A. LEWIS
Secretary and Agent	SANFORD B. HUBBARD

Clerks	Constantine J. Church Mary A. L. Forrest Althea B. Frost
Truant Officers	Lucian S. Cabot William F. Donovan William H. Porter Thomas F. Riley
Porter	John H. Lemon

CHANGES IN TEXT BOOKS

The following books have been recommended by the Superintendent and adopted by the Board during the year from April 1, 1911, to April 1, 1912:—

For the High Schools. Bacon's German Grammar; Blackmore's Lorna Doone; Chardenal's Advanced French Exercises; Fontaine's Flores de Espana; Hawkes, Luby and Touton's First Course in Algebra; Heine's Die Harzreise; Jewett's A White Heron and Other Stories; Joynes-Meissner German Grammar; Meyer-Förster's Karl Heinrich; Padre Isla's Lesarge's Gil Blas; Sheridan's Rivals; Stevenson's Travels with a Donkey; the Van Dyke Book; Warner's Hunting the Deer and Other Stories.

For the Elementary Schools. Introductory Sight Singing Melodies.

SCHOOL COMMITTEE

1912—1913

James B. Vallely, Esq., *President*

*Mr. John W. Bradley, 16 Leonard Avenue
John F. Gadsby, Esq., 26 Willow Street
Mr. Charles A. Reynolds, 229 Franklin Street
*James B. Vallely, Esq., 39 Roseland Street
Mrs. Florence Lee Whitman, 23 Everett Street

Sanford B. Hubbard, *Secretary and Agent*

Regular meetings of the School Committee are held on the first Friday of the autumn term, and on the Friday next after the twenty-seventh day of each month except July and August.

SUPERINTENDENT OF SCHOOLS

Office, City Hall

Frank Edson Parlin, A. M.	3 Forest Park

Office Hours

Office open: From 8 o'clock A. M. to 5 o'clock P. M., every week day except Saturday; Saturday from 8 o'clock A. M. to 12 o'clock M.

Superintendent's hours: Regularly from 4 to 5 o'clock P. M., every school day except Wednesday. Usually from 8.30 to 9.30 o'clock A. M.

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* Elected at large.

SCHOOL CALENDAR

1912

The Winter Term: January 2 to March 29
The Spring Term: April 8 to June 28
The Fall Term: September 11 to December 20

1913

The Winter Term: January 2 to March 14
The Spring Term: March 24 to June 27

SCHOOL HOLIDAYS

Columbus Day; Thanksgiving Day, the day preceding and the day following; Washington's Birthday; Good Friday; Patriots' Day; Memorial Day; the seventeenth of June. If one of these holidays falls on Thursday or Sunday, the schools are closed on the day following. In addition to these, for the high schools, Commencement Day at Harvard University is a holiday.

REPORT OF SEALER OF WEIGHTS AND MEASURES

Office of the Sealer of Weights and Measures,
Brattle Square, Cambridge, March 29, 1912.

To the Honorable, the City Council:—

In compliance with the City Ordinance, I respectfully submit a report for the Department of Weights and Measures for the year ending March 31, 1912.

Appropriation		$3,681 00
EXPENDED		
Salaries of Sealers:		
Felix C. McBride	$1,200 00	
Emory P. Norris	900 00	
Hugh H. Healey	900 00	
		$3,000 00
Assistant:		
Edward McBride	$98 00	
Thomas McNamara	56 40	
Hugh Blessington	24 00	
John Garry	21 60	
		200 00
Care of Horse:		
Street Department for Board	$216 00	
“ “ “ Shoeing	9 44	
N. Newman for Shoeing	9 75	
		235 19
Repairs on Harnesses and Wagons:		
Edward Ferris	$5 00	
Owen Doherty	2 75	
Burton & McCannon	2 00	
		9 75
City Scales:		
Daniel K. Dinsmore	$23 80	
		23 80
Equipments:		
H. C. Dimond, Dies	$35 78	
Moore & Hadley, Hardware	7 30	
L. A. Stingel, Hardware	11 93	
Edward R. Sage, Soap	70	
Geo. H. Nason & Co., 5 Liq. Measures	7 10	
A. W. Brownell, Seals	5 50	
		62 31
Office Incidentals:		
Boston Elevated Ry. Co.	$50 00	
N. E. Tel. & Tel. Co.	25 15	
Cambridge Sentinel, Advs.	10 00	
Mary Barker, Letter Writing	5 00	
Harvard Co-operative Society	6 75	
L. N. Brock, Sundries	1 70	
Amount carried forward		

Amount brought forward		
Geo. E. Marsters—to trip to Washington, D. C.	31 50	
E. L. Grimes, Printing	8 56	
City Messenger Department	10 06	
		148 72
		$3,679 77
Appropriation		$3,681 00
Expenditures		3,679 77
Amount unexpended		$1 23

REVENUE

Fees for Sealing	$732 73	
" " Adjusting	55 45	
Weighing fees, Ed. Prain	12 13	
" " W. A. Chyne	10 16	
		$810 47
Total amount expended		$3,679 77
Total amount collected		810 47
Net expense of Department		$2,869 30

TESTS MADE AT OFFICE FOR YEAR ENDING MARCH 31, 1912

S—Sealed. A—Adjusted. C—Condemned.

1911	Scales			Weights			Dry Measures			Liquid Measures			Ice Cream Measures		
	S	A	C	S	A	C	S	A	C	S	A	C	S	A	C
1911															
Apr.	70	8	3	24	6	....	331	....	1	31	....	5	881	....	...
May	43	3	4	19	4	....	160	2	....	76	1	....	1,198	....	2
June	27	1	1	20	4	....	53	2	2	585	5	....	967	2	...
July	13	....	2	....	....	....	15	....	....	....	....	....	495	....	36
Aug.	7	....	....	3	2	....	20	2	....	3	....	....	221	....	45
Sept.	9	....	....	....	...	....	7	3	....	3	....	....	24	....	...
Oct.	8	1	....	3	1	....	16	1	....	445	....	....	78	....	...
Nov.	9	2	1	1	1	....	8	....	....	7	....	....	95	....	...
Dec.	7	....	....	....	....	....	12	....	....	....	....	....	....	....	...
1912															
Jan.	49	....	3	5	2	....	12	....	....	45	9	....	30	....	...
Feb.	60	....	8	....	....	....	1	....	....	198	29	....	56	3	...
Mar.	....	....	...	....	....	....	....	....	....	218	....	....	....	....	...
	302	15	22	75	20	....	635	10	3	1,611	44	5	4,045	5	83

2031 strawberry baskets were also tested.
Total number of tests at this office, 9,073.

TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING MARCH 31, 1912

S—Sealed. A—Adjusted. C—Condemned.

1911	Scales			Weights			Dry Measures			Liquid Measures			Yard Measures		
	S	A	C	S	A	C	S	A	C	S	A	C	S	A	C
1911															
Apr....	262	20	6	470	22	....	307	....	2	256	4	4	16	....	2
May...	214	78	4	570	28	....	411	....	3	342	4	3	38	....	1
June...	314	62	3	640	29	....	515	....	1	420	1	4	15	....	....
July...	198	70	5	820	30	....	640	....	1	520	2	3	17	....	....
Aug....	430	60	2	733	20	....	520	....	1	430	1	2	33	....	1
Sept...	122	11	5	377	47	7	579	3	4	278	3	2	15	....	....
Oct....	271	44	16	860	27	8	278	2	9	322	4	8	33	....	....
Nov...	262	43	15	716	92	14	290	1	8	198	3	3	18	....	....
Dec....	182	22	8	314	43	18	163	....	4	120	1	....	12	....	....
1912...															
Jan...	142	10	3	168	12	9	149	1	2	98	...	1	....	....	....
Feb...	168	12	9	240	6	5	210	....	....	102	2	5	12	....	....
Mar...	220	18	12	198	4	3	140	....	7	212	1	4	14	....	....
	2,785	450	88	6,106	360	64	3,702	7	42	3,298	26	49	223	....	4

Oil pumps tested, 86.
Total number of tests made outside of office, 17,286.

Platform Scales, sealed 5,000 pounds capacity	60
" " " less than 5,000 pounds capacity	515
Ice Cream Cans tested	4,133
Weights tested	6,346
Total number of Weights correct	5,837
" " " " adjusted	509
" " " Scales tested	3,179
" " " " adjusted	562
" " " " condemned	129
Slot Weighing Scales tested	89
Total number of Oil Pumps tested	86
" " " Molasses Pumps tested	29
Number of tests made on street	1,249
" " " " in stores	1,863

Total number of tests made, 29,491

WEIGHTS AND MEASURES DEPARTMENT

Inventory of Property

Standards furnished by the Commonwealth

1 Balance—5 grains to 100 lbs.
1 Set (5) Avoirdupois Weights, 50-lb., 25-lb., 10-lb., 5-lb.
1 Set (11) Avoirdupois Weights, 4-lb. to 1-16 oz.
1 Kilogramme in case.
1 Steel meter in case.
1 Brass yard measure.
1 Set (5) iron dry measures, ½ bush. to 1 quart.
1 Set (6) iron liquid measures, 1 gallon to 1 gill.

1 Roll top desk
1 Black walnut desk
5 Chairs
1 Table
1 Clothes Press
1 Scale Cabinet
1 Wooden Cabinet

2 Benches
1 Sink
5 Mats
1 Set Revised Laws
1 Set Card Records—Oak Case
1 Set Card Index—Oak Case
1 Hektograph
1 Letter Press
1 Blotter Bath

Miscellaneous Books	$200 00
1 Bay Horse	200 00
1 Express Wagon	100 00
1 Light Wagon	85 00
1 Pung	23 00
2 Harnesses	70 00
1 Plush Robe	1 00
1 Stable Blanket	2 00
1 Rain Blanket	2 00
1 Woolen Blanket	5 00
1 Halter	75
1 Hitch Weight	50
1 Platform Scale, ½ lb. to 2,500 lbs	75 00
1 Folding Platform Scale, ¼ lb. to 600 lbs	30 00
1 Balance, 1-10 millegramme to 50 grammes	35 00
1 Balance, 1-50 grain to ½ lb	15 00
1 Sealer's Balance, 1 grain to 100 lbs	150 00
2 Leather Tool Bags	9 50
1 Sealer's Balance, 1 grain to 8 lbs	50 00
2 Sealers' Trip Scales (not used)	5 00
1 Spring Scale, 1 lb. to 125 lbs	1 00
2 Sets (19) Avoirdupois Weights, 4 lbs. to ⅛ oz	10 00
1 Set (9) Troy Weights, 16 oz. to ⅛ oz	3 00
1 Set (13) Metric Weights, 1 kilo to 1 gramme	5 00
5 Boxes Miscellaneous Weights (not standardized)	10 00
1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb	5 00
40 50-lb. Weights	100 00
1 Arch	2 00
3 Glass Graduates	1 00
1 Set (21) Grain Weights, 1,000 gr. to 1-100 gr.	13 50
1 Set (21) Metric Weights, 50 gram. to 1-10 mg	13 50
1 Set (5) Copper Dry Measures, ½ bush. to 1 quart	45 00
1 Set (3) Brass Dry Measures, 1 qt. to ½ pint	5 00
2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill	30 00
1 Yard Measure	1 50
1 Iron Truck	5 00
1 5-gal. Copper Measure	15 00
1 Steel Tape	10 00
1 Pair of Inside Callipers	3 50
1 Set Brands	3 00
1 Plumber's Furnace	5 00
Miscellaneous Tools	50 00
1 Wagon Scale (Lechmere Square)	400 00
1 Wagon Scale (Porter Road)	400 00
	$2,195 75

This Department has caused six persons to be summoned into court for violations of laws relating to short weight and measure and in each case we have secured a conviction and fines amounting to $60.00 have been paid.

Two thousand and thirty-one strawberry baskets were also tested in the office, out of which only 93 were found to be correct, which is less than 5 per cent., a ratio which, if followed throughout the city, would mean a loss of thousands of dollars to the consumers.

A number of inspections have been made during the evening hours, but it is found impossible to devote the necessary time to this branch of work.

To further emphasize the importance of it I would state that all prosecutions were made as the result of inspection and not during the regular routine work.

I would therefore recommend that one of the deputies be appointed an inspector and the addition of another deputy or helper made in this department.

The principal weakness of this department is that no inspections can be made at the present time, owing to the fact that the regular work of testing and sealing is increasing rapidly as new stores and factories are locating here almost daily.

This means that once a scale or measure is tested and sealed, it is not again seen by any member of this department for at least a year, when it is again tested under the routine work.

It is important that these conditions should not exist, as for example take the dishonest merchant, who owns a computing scale (which are being generally used) and he need only turn a screw and in the fraction of a second that scale will weigh 14 ounces to the pound. Also, to my mind many abuses relative to the sale of coal exist, and numerous inspections would be of great value.

I wish at this time to thank the Deputy Sealers, Emory T. Morris and Hugh H. Healey, for their valuable assistance and hearty cooperation.

Respectfully submitted,

FELIX C. McBRIDE,
Sealer of Weights and Measures.

REPORT OF
THE OVERSEERS OF THE POOR

April 1, 1911, to April 1, 1912

Central Square Building,
Cambridge, April 20, 1912.

To His Honor, the Mayor, and the City Council of the City of Cambridge:

Gentlemen:—The Board of Overseers of the Poor presents herewith the annual report for the year April 1, 1911, to April 1, 1912.

At the annual meeting held May 1, 1911, Rev. John R. McCool was elected chairman for the ensuing year. At this meeting Frank McLaughlin, who was elected Overseer of the Poor to succeed Henry H. Winslow for a term of five years, from May 1, 1911, qualified as a member of the Board.

On March 26, 1911, in joint convention, the City Council re-elected Patrick J. Callaghan Overseer of the Poor for a term of five years.

The cost of maintaining the Overseers of the Poor Department for the year is as follows:

	Expenditures	Receipts	Net Cost
Outside aid	$28,565 79	$3,267 47	$25,298 32
City Home	22,690 52	612 41	22,078 11
City Home Hospital	1,706 68	332 28	1,374 40
Farm	4,676 68	4,286 59	390 09
Net aggregate cost of poor			$49,140 92

During the past year the number of persons at institutions for whom the City is liable is as follows:

City Home	334
Carney Hospital	2
Cambridge Hospital	9
Cambridge Relief Hospital	31
Holy Ghost Hospital	4
Boston City Hospital	121
Boston Children's Hospital	1
Massachusetts Hospital School	12
Boston Almshouse	8
State Infirmary, Tewksbury	9
Dearborn Hospital	1
McDonald Hospital	1
	533

The number of families aided this year, 314, has been greater than ever, due to a considerable extent to the severity of the past winter. To prevent suffering during the extremely cold weather which prevailed in January and February the Board in a letter to the Chief of Police requested that his men co-operate with this department by reporting all cases of distress on their respective routes. All cases thus reported to the office were aided immediately. Of the total number of families aided 230 were settled in Cambridge, 50 were settled in other cities or towns and 34 were unsettled.

The Overseers of the Poor would respectfully recommend that certain alterations be made at the City Home which would provide accommodation for a larger number of inmates. The capacity of the Home is no greater now than it was in 1849 and with a population many times greater the number of dependents has increased correspondingly so that at times the Home is badly overcrowded. They would also recommend that an addition be made to the City Home Hospital to provide for the constantly increasing number of chronic cases.

Respectfully submitted,

JOHN R. McCOOL, *Chairman*,
JAMES F. MULLEN,
PATRICK J. CALLAGHAN,
GEORGE P. O'BRIEN,
FRANK McLAUGHLIN,
Overseers of the Poor.

REPORT OF CITY PHYSICIAN

Cambridge, March 31, 1912.

To the Honorable, the City Council of Cambridge:—

Gentlemen:—The report of the City Physician for the twelve months ending March 31, 1912, is hereby rendered:

CITY HOME

Number of visits to the City Home	324
Number of persons attended there	681
Number of deaths at the City Home	16
Cost of medicines and surgical appliances	$321 90

OUTSIDE AID

Number of persons attended for Overseers of Poor	776
Number of professional visits to the same	1,156
Number of persons sent to outside hospitals	48
Number of outside births	10
Number of outside deaths	13
Cost of medicines and surgical appliances	$571 10

DEPARTMENTAL SERVICE

Number of persons visited at the police stations	44
Number of professional visits to the same	45
Number of persons examined for the Law Department	2
Number of professional visits to the same	2
Number of city employees examined for injuries	48
Number of professional visits to the same	85
Number of vaccinations for the School Committee	430
Number of visits to the same	430
Number of call firemen examined for retirement or increase of pension	9
Number of visits to the same	9
Number of policemen examined for retirement	1
Number of visits to the same	1
Number of firemen examined for retirement	2
Number of visits to the same	2
Total number of persons receiving professional care	1,993
Total number of professional visits to the same	2,054

CITY HOME HOSPITAL REPORT FOR THE YEAR ENDING MARCH 31, 1912

There were seventy-six patients admitted during the year April 1, 1911, to March 31, 1912. There were three births and seventeen deaths.

Total revenue from all sources	$332 28
Appropriation from the city government	1,650 00
Running expenses, nurses' salaries, etc	1,650 00
Net running expenses	1,317 72

The hospital is doing very good work under the existing handicap of lack of room.

I wish to thank the superintendent, Mr. Goodrow; the matron, Mrs. Goodrow; the secretary, Mr. Finnegan; the clerk, Miss Benson, and the agent, Mr. Norris, for their kind and courteous treatment and material help.

Respectfully submitted,

WILLIAM G. BROUSSEAU, M. D.,
City Physician.

REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CITY HOME

Cambridge, April 1, 1912.

To the Overseers of the Poor:

Gentlemen:—The annual report of the Cambridge City Home for the twelve months ending March 31, 1912, is hereby respectfully submitted.

The whole number in the Home during the twelve months has been as follows:

Males	212
Females	122
Total	334
Adults	317
Minors	17
Whole number in the Home March 31, 1911	178
Average number during the twelve months	170

Included in the whole number in the Home March 31, 1912, there are:

IMBECILE

Males	1
Total	1

BLIND

Females	1
Total	1

EPILEPTICS

Males	1
Females	3
Total	4

Included in the whole number discharged during the twelve months are eight persons sent to other institutions, as follows:

Cambridge Hospital	2
State Farm	1
Worcester Insane Hospital	1
Board of Health (Day Camp)	3
Wrentham School	1

Remaining in the Home March 31, 1912:

Males	111
Females	65
Adults	175
Minors	1

All statistics of general interest will be exhibited by the following tables:

TABLE 1

Showing the number and sex of adult persons and minors of all classes received into the Cambridge City Home in each month of the twelve months ending March 31, 1912

Month	Adults		Minors		Total	Dependent Children		Neglected Children	
1911	M	F	M	F		M	F	M	F
April	6	7	2	3	18	1	2	1	1
May	11	9	4	1	25	4	1	0	0
June	9	2	0	0	11	0	0	0	0
July	6	4	0	0	10	0	0	0	0
August	8	7	1	0	16	1	0	0	0
September	9	4	2	0	15	2	0	0	0
October	9	4	1	0	14	1	0	0	0
November	6	3	1	0	10	1	0	0	0
December	10	0	1	0	11	1	0	0	0
1912									
January	8	5	0	0	13	0	0	0	0
February	5	1	0	0	6	0	0	0	0
March	5	9	0	0	14	0	0	0	0
Totals	92	55	12	4	163	11	3	1	1

TABLE II

Showing the number and sex of adult persons and minors of all classes discharged from the Cambridge City Home in each month of the twelve months ending March 31, 1912

Months	Adults		Minors		Total	Dependent Children		Neglected Children	
1911	M	F	M	F		M	F	M	F
April	19	14	0	0	33	0	0	0	0
May	7	3	4	2	16	4	2	0	0
June	14	5	1	0	20	1	0	0	0
July	9	1	1	0	11	1	0	0	0
August	4	6	1	0	11	1	0	0	0
September	9	6	2	0	17	2	0	0	0
October	6	2	0	0	8	0	0	0	0
November	5	2	1	0	8	1	0	0	0
December	5	2	1	0	8	1	0	0	0
1912									
January	2	5	1	1	9	1	1	0	0
February	4	2	0	0	6	0	0	0	0
March	5	5	0	0	10	0	0	0	0
Totals	89	53	12	3	157	12	3	0	0

PRODUCTS OF THE FARM AND THEIR APPROXIMATE VALUES

193 bushels beans	$99	65
299 bushels beets	168	90
1,254 dozen bunches beets	335	95
162 bushels beet greens	40	35
11,410 cabbages	991	25
477 dozen bunches celery	446	95
19,900 cucumbers	210	30
824 dozen bunches carrots	439	10
87 bushels carrots	59	95
488 bushels dandelions	97	45
737 dozen heads lettuce	169	85
345 dozen bunches onions	43	85
267 bushels onions	276	10
505 dozen bunches radishes	115	70
173 bushels rhubarb	63	60
137 bushels spinach	32	55
34 barrels squash	17	25
496 bushels tomatoes	268	15
42 bushels parsnips	27	70
4 bushels peas	7	00
14,579 pounds pork	1,277	11
920 dozen eggs	276	00
	$5,464	71
Vegetables supplied Home, one year to April 1, 1912	712	00
Eggs supplied Home, one year to April 1, 1912	230	00
Pork products	236	12
Cash receipts	4,286	59
	$5,464	71
Less expenses one year, ending March 31, 1912	4,676	68
Net gain	$788	03

COMPARATIVE TABLE OF CITY HOME, FARM, LEDGE AND HOUSE OFFAL RECEIPTS FOR THIRTY YEARS, FOUR MONTHS, ENDING MARCH 31

Years	Board	Chair Shop	Farm	General Sales	Stone	House Offal	Totals
1881	$822 56	....	$378 50	....	$2,529 01	$5,536 88	$8,766 95
1882	705 34	....	436 54	....	2,626 17	5,705 22	9,473 27
1883	1,174 96	....	476 22	$14 19	2,622 00	5,819 55	10,106 92
1884	1,480 93	....	316 76	....	4,238 77	6,449 96	12,486 42
1885	2,035 58	....	335 32	149 85	4,509 84	7,354 26	14,384 95
1886	613 93	$37 50	772 14	319 75	5,611 38	6,926 23	14,280 93
1887	514 64	634 19	1,595 10	241 37	4,684 14	6,856 59	14,526 03
1888	557 28	614 94	2,846 52	213 62	6,662 26	6,721 50	17,617 86
1889	274 84	479 28	3,681 59	144 36	5,564 18	7,324 61	17,471 06
1890	302 49	794 36	4,364 03	150 89	5,651 38	7,386 33	18,649 48
1891	1,201 33	844 62	5,213 68	161 71	6,107 86	7,716 77	21,245 97
1892	1,253 06	899 81	5,371 68	166 45	5,220 50	7,535 57	20,447 55
1893	703 70	325 86	6,400 64	210 09	5,826 74	7,033 52	20,500 05
1894	1,094 89	220 07	6,504 66	615 69	7,955 42	8,218 96	21,609 69
1895	622 77	77 00	6,512 63	160 19	8,265 14	9,045 55	24,682 78
1896	834 52	61 25	5,623 67	147 02	7,639 48	9,155 35	23,461 24
1897	1,294 65	3 60	5,348 47	137 33	10,335 16	7,228 79	24,348 06
1898	1,038 19	....	5,730 13	277 40	2,172 60	7,264 09	16,482 41
1899	703 17	....	6,049 47	142 54	....	6,997 40	13,892 58
1900	611 57	....	5,082 43	137 40	....	7,322 05	13,153 45
1901	793 32	....	5,173 83	83 60	....	8,016 71	14,067 46
1902	826 69	....	5,098 37	78 15	....	9,722 83	15,726 04
1903	659 21	....	3,922 64	526 43	....	10,359 99	15,468 27
1904	969 54	....	4,286 47	69 47	....	11,729 75	17,055 23
1905	902 30	....	4,964 10	66 39	....	11,326 61	17,258 40
1906	807 96	....	5,209 65	62 83	....	10,565 96	16,646 40
1907	766 20	....	5,486 29	67 68	....	10,564 07	16,884 24
1908							
16 mos. to Mar.31,'09	842 97	....	5,038 55	85 21	....	16,174 80	22,141 53
1910	704 05	....	4,313 19	72 47	....	13,477 42	18,567 13
1911	793 91	....	3,984 89	80 11	....	15,758 46	20,617 37
1912	515 43	....	4,286 59	96 98	....	15,809 48	20,708 48
Totals..	$25,921 98	$4,992 48	$124,807 67	$4,677 67	$98,222 03	$277,105 26	$535,727 09

City Home Hospital receipts	$ 332 28
City Home Hospital receipts since July 1, 1905	3,060 29

The ages of the inmates are as follows:

Eleven between 80 and 90, forty-one between 70 and 80, fifty-seven between 60 and 70, forty-three between 50 and 60, ten between 40 and 50, ten between 30 and 40, five between 20 and 30, and one child with its mother.

Of those who died during the twelve months, three were between 80 and 90, twelve between 70 and 80, twelve between 60 and 70, five between 50 and 60, two between 40 and 50, and one between 30 and 40.

The average age of those who died was 69 years.

There is urgent need of more sleeping space in the Home, and this can be accomplished at an expense of about five hundred dollars, which I hope the City Council will see fit to appropriate.

The cost per capita for each inmate was $2.87 per week, the past year.

During the year one boiler was furnished with new tubes, and a new hot water boiler was installed.

There are 51 men employed in the Offal Department, and the receipts have been more than ever. The equipment is also in good shape, and during the year a new foundation has been put under the offal shed, and a new plank floor put in.

In closing, I wish to thank your honorable Board for your kind treatment, and also the employees in my department for their courteous manner and efficiency.

Respectfully submitted,

CHARLES E. GOODROW,
Superintendent.

OUTSIDE AID EXPENDITURES

April 1, 1911, to April 1, 1912

Months	Salaries	Expenses	Total
1911			
April	$349 82	$1,657 81	$2,007 63
May	277 00	2,447 18	2,724 18
June	277 00	1,440 41	1,717 41
July	346 25	1,809 77	2,156 02
August	277 00	2,270 51	2,547 51
September	376 25	1,593 06	1,969 31
October	337 00	1,618 45	1,955 45
November	337 00	2,216 44	2,553 44
December	421 25	2,327 42	2,748 67
1912			
January	337 00	2,504 97	2,841 97
February	337 00	2,891 42	3,228 42
March	422 85	1,692 93	2,115 78
Total	$4,095 42	$24,470 37	$28,565 79

CITY HOME EXPENDITURES

April 1, 1911, to April 1, 1912

Months	Salaries	Expenses	Total
1911			
April	$647 29	$1,225 00	$1,872 29
May	565 92	1,503 02	2,068 94
June	539 79	1,307 03	1,846 82
July	672 17	1,124 10	1,796 27
August	540 92	1,445 61	1,986 53
September	672 04	1,445 38	2,117 42
October	547 92	1,260 92	1,808 84
November	547 79	1,594 40	2,142 19
December	680 92	1,478 75	2,159 67
1912			
January	547 92	1,438 06	1,985 98
February	547 64	....	547 64
March	681 92	1,676 01	2,357 93
Total	$7,192 24	$15,498 28	$22,690 52

CITY HOME HOSPITAL EXPENDITURES

April 1, 1911, to April 1, 1912

Months	Salaries	Expenses	Total
1911			
April	$95 00	$45 13	$140 13
May	76 00	74 73	150 73
June	76 00	30 77	106 77
July	95 00	59 09	154 09
August	76 00	33 05	109 05
September	95 00	48 75	143 75
October	76 00	43 17	119 17
November	76 00	18 60	94 60
December	95 00	67 11	162 11
1912			
January	76 00	67 30	143 30
February	76 00	178 41	254 41
March	95 00	33 57	128 57
Total	$1,007 00	$699 68	$1,706 68

FARM EXPENDITURES

April 1, 1911, to April 1, 1912

Months	Wages	Expenses	Total
1911			
April	$307 87	$73 56	$381 43
May	361 38	134 38	495 76
June	345 01	262 82	607 83
July	627 30	40 00	667 30
August	456 00	23 45	479 45
September	449 00	14 10	463 10
October	194 62	21 64	216 26
November	198 00	46 25	244 25
December	204 00	280 81	484 81
1912			
January	117 00	84 79	201 79
February	144 00	47 35	191 35
March	172 50	70 85	243 35
Total	$3,576 68	$1,100 00	$4,676 68

OFFAL EXPENDITURES

April 1, 1911, to April 1, 1912

Months	Wages	Expenses	Total
1911			
April	$2,905 50	$913 24	$3,818 74
May	2,341 50	1,093 72	3,435 22
June	2,337 00	821 55	3,158 55
July	2,781 50	1,204 04	3,985 54
August	2,232 00	536 06	2,768 06
September	3,077 00	790 20	3,867 20
October	2,613 97	602 57	3,216 54
November	2,586 11	1,069 57	3,655 68
December	3,324 38	652 52	3,976 90
1912			
January	2,484 91	792 51	3,277 42
February	2,472 49	538 23	3,010 72
March	3,097 12	415 79	3,512 91
Total	$32,253 48	$9,430 00	$41,683 48

TABLE OF RECEIPTS

April 1, 1911, to April 1, 1912

Months	Outside Aid	City Home	City Home Hospital	Farm	Offal	Total
1911						
April	$ 95	$20 43	$53 70	$38 20	$1,063 54	$1,176 82
May	05	39 51	26 43	210 80	1,022 75	1,299 54
June	847 43	19 53	56 00	528 30	1,055 07	2,506 33
July	14 00	22 00	14 15	728 80	770 84	1,549 79
August	....	34 97	20 00	677 60	957 23	1,689 80
September	608 97	36 20	21 00	371 70	1,339 62	2,377 49
October	496 17	115 94	33 57	285 95	1,460 74	2,392 37
November	403 27	48 60	26 43	186 35	1,443 85	2,108 50
December	18 00	36 26	17 50	150 15	1,164 84	1,386 75
1912						
January	5.97	55 52	53 50	....	1,970 52	2,085 51
February	338 83	28 71	10 00	484 86	1,094 81	1,957 21
March	533 83	154 74	....	623 88	2,465 67	3,778 12
Total	$3,267 47	$612 41	$332 28	$4,286 59	$15,809 48	$24,308 23

OUTSIDE AID DEPARTMENT, April 1, 1911, to April 1, 1912

Months	Secretary, Clerk, Visitor, Driver, Aid, Wagon	Postage, Printing, Stationery, Books	Gas, Electric Light, Telephone	Physician, Medicines, Surgical Appliances	Undertaker, Cemetery	Hospitals	Other Cities and Towns	State Farm and Hospital, Minor Wards, Mass. Hosp. School	Outside Support	Groceries, Fuel	Transportation	Repairs	Miscellaneous	Total
1911														
April	$349 82	$23 25	$15 23	$33 35	$10 00	$122 86	$72 90	$85 08	$368 36	$890 93	$10 00	$ 75	$25 20	$2,007 63
May	277 00	23 79	15 89	25 68	8 00	1,192 84	58 25	109 12	373 07	481 96	50 35	....	108 23	2,724 18
June	277 00	18 00	11 60	101 59	....	....	16 50	542 84	354 60	338 66	54 96	....	1 66	1,717 41
July	346 25	41 23	16 99	17 38	10 00	....	687 13	174 41	395 05	426 10	32 45	....	9 03	2,156 02
August ...	277 00	7 87	12 85	14 04	20 00	772 87	666 73	28 17	361 56	366 14	8 68	....	11 60	2,547 51
September	376 25	11 72	18 62	85 98	45 00	....	36 00	445 13	380 17	557 84	11 00	....	1 60	1,969 31
October ..	337 00	1 50	11 91	56 76	36 00	25 71	275 18	72 28	455 19	489 23	74 30	96 94	23 75	1,955 45
November	337 00	43 87	12 19	21 33	20 00	715 86	156 50	97 94	420 14	683 38	26 18	....	19 05	2,553 44
December	421 25	27 25	11 68	29 45	115 00	160 15	367 93	499 03	481 04	554 19	80 85	....	85	2,748 67
1912														
January ..	337 00	24 35	13 34	60 67	18 00	274 07	891 45	107 48	470 10	611 41	26 20	5 25	2 65	2,841 97
February .	337 00	10 85	13 53	42 10	....	787 15	415 24	239 87	543 18	793 55	25 90	....	20 05	3,228 42
March ...	422 85	16 25	11 52	82 77	18 00	88 57	130 89	464 32	471 23	397 53	5 80	....	6 05	2,115 78
Total ..	$4,095 42	$249 93	$165 25	$571 10	$300 00	$4,140 08	$3,774 70	$2,865 67	$5,073 69	$6,590 92	$406 67	$102 64	$229 72	$28,565 79

CITY HOME DEPARTMENT, April 1, 1911, to April 1, 1912

Months	Superintendent, Chaplain, Organist, Wages	Medicines, Surgical Appliances, Disinfectant	Ice, Meat, Poultry, Fish, Groceries, Provisions	Dry Goods, Clothing, Boots, Shoes	Fuel	Gas, Electric Motor	Hardware, Furniture, Plants	Repairs	Hospitals	Postage, Printing, Stationery, Books	Telephone, Transportation	Undertaker, Cemetery	Miscellaneous	Total
1911														
April	$657 29	$45 69	$861 98	$173 82	....	$28 46	$48 96	$19 37	....	....	$11 97	....	$24 75	$1,872 29
May	573 92	30 34	952 56	41 20	$115 10	20 30	67 50	217 70	....	$14 60	9 17	....	26 55	2,068 94
June	543 79	14 95	796 47	73 63	114 11	15 20	127 68	66 36	....	10 25	38 92	$8 00	37 46	1,846 82
July	672 17	35 01	725 33	87 51	121 00	14 35	....	27 60	....	....	7 32	....	105 98	1,796 27
August	540 92	7 60	1,101 32	90 97	124 49	8 33	18 00	17 20	....	3 25	39 78	....	34 67	1,986 53
September	672 04	21 25	664 75	203 30	....	15 71	97 00	362 69	$31 50	....	7 14	....	42 04	2,117 42
October	547 92	56 65	725 36	106 77	201 42	25 47	59 25	57 73	....	....	8 07	....	20 20	1,808 84
November	571 79	28 12	1,303 78	78 64	....	27 44	35 22	4 50	....	....	6 90	10 00	75 80	2,142 19
December	696 92	43 19	780 46	81 46	84 43	34 17	111 59	174 06	....	13 95	50 10	....	89 34	2,159 67
1912														
January	596 92	15 00	710 20	59 78	297 55	50 05	64 12	36 58	....	17 00	40 48	41 00	84 30	1,985 98
February	559 64	17 85	918 86	162 87	....	30 42	48 46	2 00	1 35	....	7 50	....	28 15	1,777 10
March	695 92	5 25	289 68	37 93	....	38 83	....	4 05	....	18 35	11 96	10 00	16 50	1,128 47
Total	$7,298 27	$320 90	$9,830 75	$1,197 88	$1,058 10	$308 73	$677 78	$989 84	$32 85	$77 40	$239 31	$69 00	$585 74	$22,690 52

CITY HOME HOSPITAL, April 1, 1911, to April 1, 1912

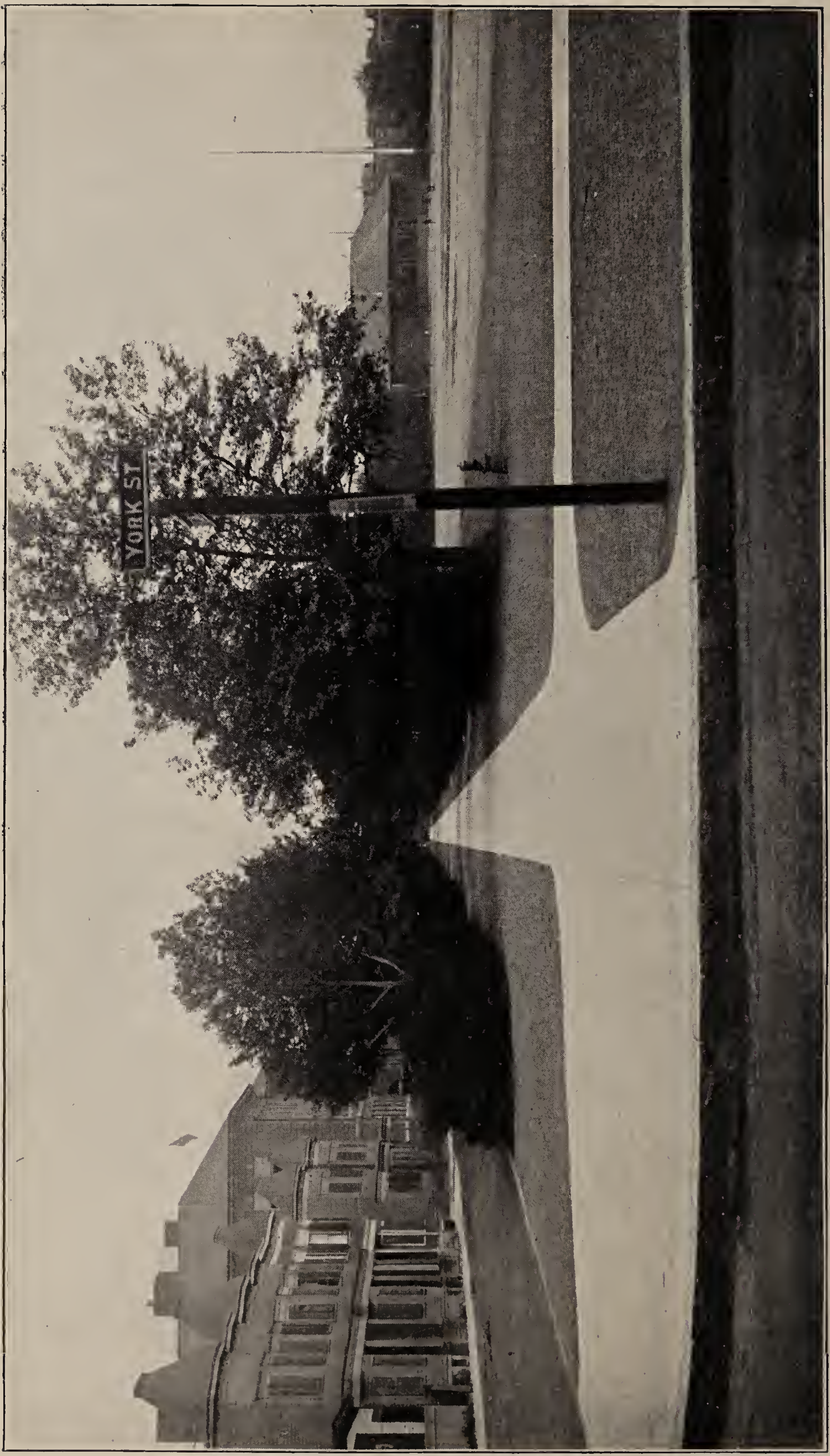
Months	Wages	Medicines, Surgical Appliances	Groceries	Hardware	Electric Light	Clothing	Repairs	Disinfectant	Fuel	Total
1911										
April	$95 00	$37 69	....	....	$7 44	....	....	....	....	$140 13
May	76 00	24 33	$11 22	....	5 88	....	....	....	$33 30	150 73
June	76 00	11 70	4 18	$10 09	4 80	....	....	....	....	106 77
July	95 00	16 13	2 34	....	4 32	....	....	....	36 30	154 09
August	76 00	33 05	....	....	....	....	....	....	....	109 05
September	95 00	37 40	5 38	2 78	3 19	....	....	....	....	143 75
October	76 00	15 80	2 52	....	9 35	....	$15 50	....	....	119 17
November	76 00	10 04	1 52	....	7 04	....	....	....	....	94 60
December	95 00	28 52	5 34	25 00	8 25	....	....	....	....	162 11
1912										
January	76 00	18 95	2 59	....	9 46	....	....	....	36 30	143 30
February	76 00	10 00	89 04	28 67	11 22	....	5 45	....	34 03	254 41
March	95 00	17 25	7 19	....	9 13	....	....	....	....	128 57
Total	$1,007 00	$260 86	$131 32	$66 54	$80 08	....	$20 95	....	$139 93	$1,706 68

FARM DEPARTMENT, April 1, 1911, to April 1, 1912

Months	Labor	Garden Seeds, Plants	Poultry, Pigs, Manure	Electric Light	Wagon	Fuel	Blacksmith, Hardware, Repairs	Lumber	Hay and Grain	Straw	Miscellaneous	Total
1911												
April	$307 87	$20 92	......	$ 24	......	......	$29 50	......	$17 80	......	$5 10	$381 43
May	361 38	68 83	......	......	......	......	16 00	......	15 55	......	34 00	495 76
June	345 01	4 80	$6 00	......	$140 00	......	12 23	......	99 79	......	......	607 83
July	627 30	10 00	......	......	......	......	10 50	......	15 00	......	4 50	667 30
August	456 00	......	......	......	......	......	......	......	23 45	......	......	479 45
September	449 00	......	......	......	......	......	3 15	......	10 95	......	......	463 10
October	194 62	......	......	......	......	......	......	$6 04	15 60	......	......	216 26
November	198 00	......	......	......	......	......	18 00	13 50	14 75	......	......	244 25
December	204 00	......	21 00	......	......	......	13 65	67 37	120 35	$48 44	10 00	484 81
1912												
January	117 00	......	......	......	......	......	9 25	......	26 65	38 59	10 30	201 79
February	144 00	19 00	......	......	......	......	......	2 85	16 00	......	9 50	191 35
March	172 50	6 85	......	......	......	......	......	......	64 00	......	......	243 35
Total	$3,576 68	$130 40	$27 00	$ 24	$140 00	......	$112 28	$89 76	$439 89	$87 03	$73 40	$4,676 68

OFFAL DEPARTMENT, April 1, 1911, to April 1, 1912

Months	Wages	Blacksmith	Hay and Grain	Hardware	Lumber	Fuel	Clothing and Repairs	Printing	Gas, Electric Light	Horses	Wagon	Straw	Miscellaneous	Total
1911														
April	$2,905 50	$62 13	$378 77				$469 10		$3 24					$3,818 74
May	2,341 50	49 55	454 70		$237 89		29 70		1 80			$116 35	$203 73	3,435 22
June	2,337 00	18 75	443 04	$13 75	7 60		235 65		96			99 43	2 37	3,158 55
July	2,781 50	48 15	476 92		96 32	$36 30	241 37		48	$300 00			4 50	3,985 54
August	2,232 00	75 25	433 86				20 90						6 05	2,768 06
September	3,077 00	37 45	657 52	17 06			47 60		55			27 02	3 00	3,867 20
October	2,613 97	70 00	268 20		8 17		232 56		1 65				21 39	3,216 54
November	2,586 11	58 00	624 70	3 00			233 35		1 76			148 76		3,655 68
December	3,324 38	52 25	104 40	72 22	95 32		281 03		3 41				43 89	3,976 90
1912														
January	2,484 91	72 50	656 70	23 36			5 00		5 17				29 78	3,277 42
February	2,472 49	100 75	396 32	16 82			11 10		5 99				7 25	3,010 72
March	3,097 12	107 94	286 66				19 10		2 09					3,512 91
Total	$32,253 48	$752 72	$5,182 39	$146 21	$445 30	$36 30	$1,826 46		$27 10	$300 00		$391 56	$321 96	$41,683 48



GRANOLITHIC WALK CAMBRIDGE FIELD, LOOKING NORTH FROM YORK STREET

REPORT OF
BOARD OF PARK COMMISSIONERS

To the Honorable, the City Council of the City of Cambridge:—

GENTLEMEN:—The Board of Park Commissioners has the honor to submit herewith its nineteenth annual report covering the municipal year March 31, 1912, together with the eighteenth annual report of the General Superintendent of Parks, as required by Section 4 of the ordinances establishing a Park Department.

By reason of its importance, it is but natural that the work first to be referred to in this report should be

THE ESPLANADE

Year after year your Commission has called the attention of the City Council to the great necessity for liberal appropriations for the completion of this work. At no time, however, has the opportunity presented itself so strongly as at present. The City Government, during the past year, has very wisely granted the necessary authority for the bringing of the Institute of Technology to our city. To this end it has given up taxable property to the extent of hundreds of thousands of dollars. That the future will confirm the wisdom of your acts seems certain, but it is, nevertheless, essential that you shall at once do those things which will result in the City obtaining the immediate benefits consequent upon the coming of this institution to our shores. We believe that within a very short time the revenue derived by the city from the immense area of land adjoining our Esplanade will be vastly increased. We must, however, encourage its development while the iron is hot. Already many inquiries are being made for this land, and the results of the past year insure still greater results during the coming year. We believe your citizens generally are agreed that the work started so many years ago should now be completed. We therefore ask that liberal appropriations be made that this roadway may be finished from Cambridge Bridge to the Stillman Infirmary. This will include:

1st.—The finishing of the Parkway at Cambridge Bridge, now so necessary owing to the completion of the subway. It must be remembered that a very large percentage of the traffic to and from

Cambridge will be hereafter in this direction, and we must present our parks in a favorable light, in order that visitors may be properly impressed with our city.

2nd.—The rebuilding of the roadways in front of the new Institute buildings necessitated by the additional traffic there caused by the closing of other streets.

3rd.—The completion of the roadway over the Boston & Albany Railroad bridge. The filling received from the subways has put this roadway in shape to be surfaced.

4th.—Finishing of the roadway from Magazine street to River street. A large part of this road has been brought up to grade with stone and only requires surfacing.

5th.—The opening of the roadway from River street to Western avenue. This is an essential work and should be arranged for at once. It will complete the last link in our river drive and has been delayed too long.

6th.—The completion of the roadway from Western avenue to Boylston street.

Your Commission is ready to submit detailed estimates for the work, and trusts their request will be granted at the earliest opportunity.

NEW BATH HOUSE AT CAPTAINS' ISLAND

We should at this time have an appropriation for a new bath house. Our receipts for the season of 1911 were $1,127.34, or $237.00 greater than for 1910. With proper accommodations, this bath house could probably be made self-supporting. Our people were at first disposed to look with suspicion at the fresh water of the Charles River, having been for so many years accustomed to the salt water. This feeling has not been well founded, but it will be the policy of your Commission to keep close watch on the pureness of the water, and while the salt bathing will perhaps always be missed, we still believe the bathers will frequent the beach in greater number during the coming years. The Commission intends to submit plans for your consideration at an early date.

SHADE TREES

During the past year 425 dead trees were removed and 500 new trees planted. Much still remains to be done, however, and generous appropriations should be made. Your Commission would like to plant 1,000 trees the coming year and remove many more of the dead ones. The same conditions prevail as regards our trees as have been referred to in former reports.

A contract has been given for a floating bath house, to be placed at the East Cambridge embankment. This house will be completed and placed in time for the summer bathing.

A settlement has been arranged with the Boston Elevated Railroad whereby any rights the city may have had in Murray street have been released upon the payment to the city of $1,500.

During the past year your Commission was able to come to an amicable and equitable settlement with the Riverside Boat Club for the taking of their house and land many years ago. This settlement includes the granting of a location for a new house at the foot of Pleasant street, which has been arranged. We wish to thank at this time the committees from the Boat Club for the friendly spirit they have always shown in the handling of this question.

Your commission desires to call the attention of the City Council to the advisability of changing the city's fiscal year back to November 30th. Under present conditions, the work of our department is considerably embarrassed by the fact that the annual budget is passed so late in the year. Our appropriations all come now much too late for spring work, whereas much earlier consideration should be given our requirements. This, of course, is impossible with a year commencing April 1st. We believe other departments must have similar troubles. From a financial point of view, the city would be no loser, as with one year's taxes for nine months' work the city would be able to partly relieve itself of the obligation it now has by reason of the latest change.

FINANCIAL STATEMENT

PARK LOANS

Amount of unused balance of 1910 appropriation:	
Reappropriated April 27, 1911	$13,748 59
Amount appropriated June 22, 1911	4,500 00
Amount appropriated June 23, 1911	2,500 00
Amount appropriated September 20, 1911	6,200 00
	$26,948 59

PARK MAINTENANCE

Brown Tail Moth and Elm Leaf Beetle Extermination:		
Amount appropriated May 19, 1911		$7,000 00
Sections A, B, D, F, G and H:		
Amount appropriated May 19, 1911	$7,144 85	
Amount transferred November 28, 1911, to Maintenance, Longfellow Park	3 26	
		7,140 59
Cambridge Field and Shelter:		
Amount appropriated May 19, 1911	$5,755 00	
Amount appropriated March 2, 1912	100 00	
		5,855 00
Shade Trees:		
Amount appropriated May 19, 1911		5,440 00
Removal of Dead Trees:		
Amount appropriated May 19, 1911		5,000 00
Commons, Squares and Public Grounds:		
Amount appropriated May 19, 1911	4,250 04	
Amount appropriated March 2, 1912	200 00	
		4,450 00
Rindge Field and Shelter:		
Amount appropriated May 19, 1911		3,787 41
Salaries:		
Amount appropriated May 19, 1911		2,600 00
Bath House:		
Amount appropriated May 19, 1911		1,700 00
General Account:		
Amount appropriated May 19, 1911	$1,350 47	
Amount transferred June 8, 1911, to Street Department, Maintenance	432 00	
	$918 47	
Amount appropriated March 2, 1912	200 00	
		1,118 47
Longfellow Park:		
Amount appropriated May 19, 1911	$250 00	
Amount transferred November 28, 1911, from Maintenance, Sections A, B, D, F, G and H	3 26	
		253 26
Placing Curb, Pleasant Street Park:		
Amount appropriated May 19, 1911		225 00
Gun Carriages, Cambridge Common:		
Amount appropriated November 18, 1911		150 00

During the year bills payable from Park Loans have been approved by the Board and certified to the Auditor to the total amount of $23,359.54, as follows:—

PARK LANDS AND CONSTRUCTION

River Parkway, Section A: Construction account	$5,480 43	
River Parkway, Section B: Construction account	3,278 28	
River Parkway, Section C: Construction account	25 00	
River Parkway, Section D: Construction account	2,232 91	
River Parkway, Section E: Land account	7,035 00	
River Parkway, Section F: Construction account	865 47	
River Parkway, Sections G and H: Construction account	424 37	
Granolithic Walks, Cambridge Field, and Rearrangement, Memorial Gateway, Cambridge Common: Construction account	1,651 60	
Floating Bath House: Construction account	1,023 28	
Delta, Cambridge Bridge: Construction account	927 83	
Shower Baths and Heating Apparatus, Rindge Field: Construction account	415 37	
Amount expended		$23,359 54
Amount unexpended		$3,589 05

During the year bills payable from Park Maintenance have been approved by the Board and certified to the Auditor as follows:—

	Amount Expended	Balance Unexpended
Brown Tail Moth and Elm Leaf Beetle Extermination	$6,999 53	$ 47
Sections A, B, D, F, G and H	7,140 52	07
Cambridge Field and Shelter	5,854 97	03
Shade Trees	5,439 60	40
Removal Dead Trees	4,999 69	31
Commons, Squares and Public Grounds	4,449 93	11
Rindge Field and Shelter	3,787 16	25
Salaries	2,590 46	9 54
Bath House	1,699 77	23
General Account	1,118 03	44
Longfellow Park	253 26	....
Placing Curb, Pleasant Street Park	224 93	07
Gun Carriages, Cambridge Common	150 00	....

A detailed classification of the expenditures will be found in the report of the General Superintendent.

Since the beginning of the work in 1893 there has been expended to date of money raised under Park and Esplanade Loans the sum of $1,610,791.13.

The division is as follows:—

River Parkway, Section A:		
Land account	$9,416 83	
Construction account	172,337 31	
		$181,754 14
River Parkway, Section B:		
Construction account	$111,530 32	$111,530 32
River Parkway, Section C:		
Construction account	$114,713 06	
Land account	31,701 08	
		146,414 14
River Parkway, Section D:		
Construction account	$122,772 52	
Land account	95,047 25	
		217,819 77
River Parkway, Section E:		
Construction account	$1,259 70	
Land account	67,145 00	
		68,404 70
River Parkway, Section F:		
Construction account	$69,912 84	
Land account	67,491 62	
		137,404 46
River Parkway, Section G:		
Construction account	$121,117 78	
Land account	86,824 82	
		207,942 60
River Parkway, Section H:		
Construction account	$13,135 30	13,135 30
River Parkway, Delta, Cambridge Bridge:		
Construction account	927 83	927 83
Cambridge Field:		
Construction account	$128,513 59	
Land account	78,884 85	
		207,398 44
East Cambridge Embankment:		
Construction account	$102,897 93	
Land account	45,231 40	
		148,129 33
General Account:		
Construction account	$55,352 45	55,352 45
Rindge Field:		
Construction account	$19,307 86	
Land account	31,461 95	
		50,769 71
Office Expenses:		
Construction account	$15,915 29	15,915 29

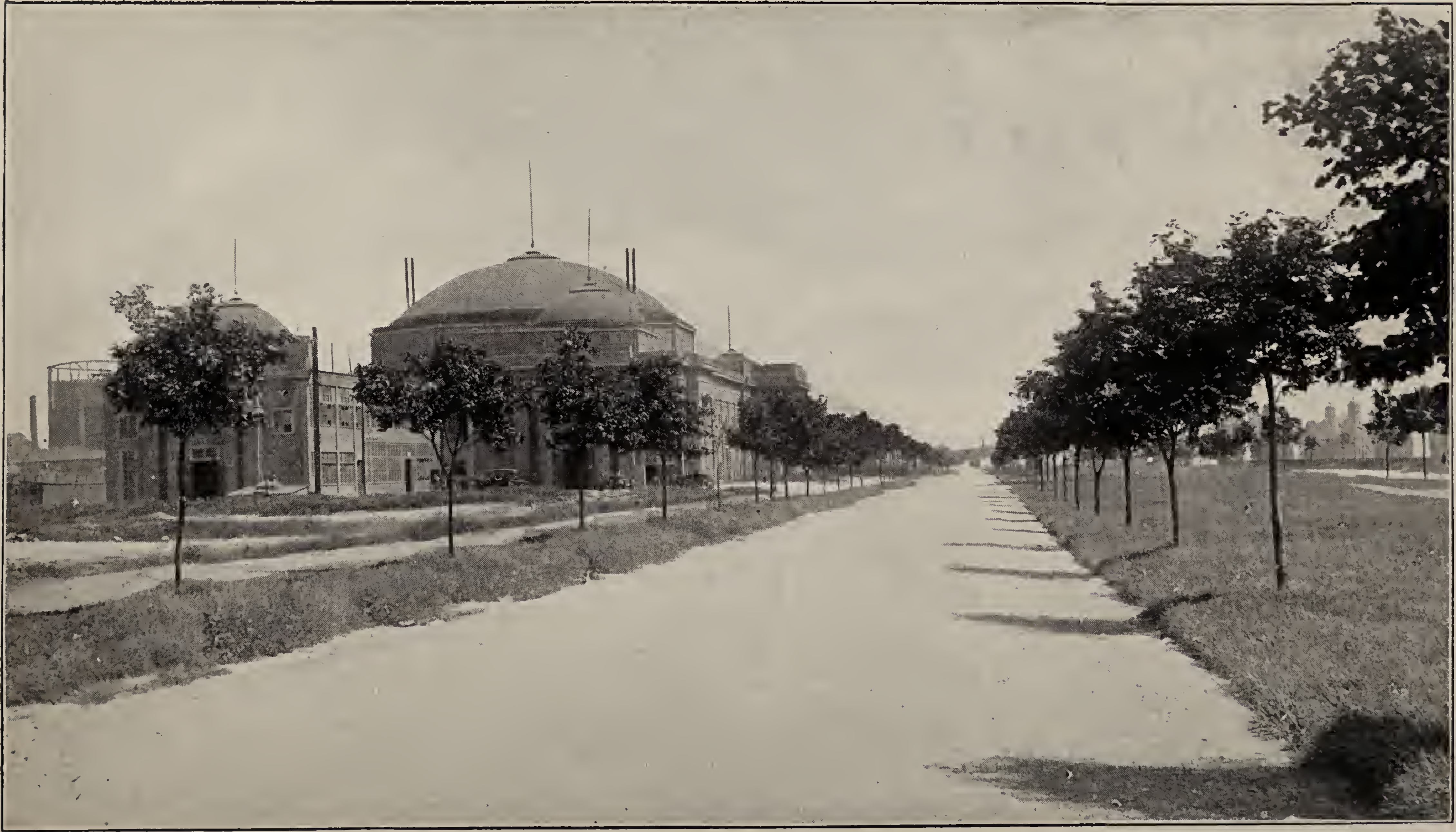
Broadway:		
Construction account	11,635 27	11,635 27
Rebuilding Sea Walls:		
Construction account	10,887 89	10,887 89
Nursery:		
Construction account	9,240 49	9,240 49
Improvements at Rindge Field:		
Construction account	7,788 98	7,788 98
Hastings Square:		
Construction account	2,683 07	2,683 07
Baths and Lockers:		
Construction account	2,500 00	2,500 00
Winthrop Square:		
Construction account	1,866 26	1,866 26
Shower Baths and Heating Apparatus, Rindge Field:		
Construction account	1,891 10	1,891 10
Floating Bath House:		
Construction account	1,023 28	1,023 28
Mill Pond:		
Construction account	999 77	999 77
Fort Washington:		
Construction account	929 79	929 79
Washington Elm:		
Construction account	466 98	466 98
Memorial Gateway, Cambridge Common:		
Construction account	453 29	453 29
Porter Square:		
Construction account	20 87	20 87
		$1,615,285 52
Less Park revenue for 1894 and 1896 merged into land and construction accounts		4,494 39
		$1,610,791 13

Of the whole amount of Park Loans expended to April 1, 1912, 32 per cent. has been for land and 68 per cent. for construction, as follows:—

Land account (less revenues)	$508,710 31
Construction account	1,102,080 82
	$1,610,791 13

Respectfully submitted,

WILLIAM M. WADDEN,
DAVID J. NELLIGAN,
PETER MULLIN,
Park Commissioners.



ROADWAY REBUILT LOOKING EAST FROM MASS. AVENUE

REPORT OF
GENERAL SUPERINTENDENT OF PARKS

Cambridge, April 1st, 1912.

To the Board of Park Commissioners of the City of Cambridge:—

Gentlemen:—I have the honor to present my sixth annual report as General Superintendent of Parks, covering the financial year of 1912.

SECTION A

(Area 9.07 acres)

Section A extends from the south line of Main street as widened for the approach to the new Cambridge Bridge to the west line of the third street east of Massachusetts avenue.

Six Welsbach lights were maintained during the year.

Early in the spring work was commenced. After 32 pits were dug 14 ft. long, 7½ ft. wide and 4 ft. deep and filled with loam, the trees were planted.

One hundred sixty feet of the 20 feet of sidewalk at the approach to the new bridge were brought to grade with gravel taken from the tree pits. The remainder of the gravel was used to fill all the depressions in the 40 feet roadway to sub-grade. This part of the roadway is now in a condition for finishing.

SECTION B

(Area 19.72 acres)

Section B extends from the west line of the third street east of Massachusetts avenue to the west line of the fourth street west of the avenue, but does not include Massachusetts avenue.

Twenty-six Welsbach lights were maintained during the year.

The usual care was given this section during the year, four men being employed from April 1st to November 1st, in cutting grass, cleaning shrubbery beds and walks.

Although the deck of the public landing has been replanked this season, nevertheless, it is necessary to have it re-buoyed as soon as money is available.

I regret to mention that no appropriation has been made for the purpose of carrying out my recommendation of last year regarding the repairing of the iron fence along the sea wall. This fence is now in such poor condition that it requires immediate attention.

The 30 feet roadway between the Cambridge Bridge and the Charlesgate Hospital was rebuilt in the following manner: First, the old road was plowed, harrowed and levelled to sub-grade; five inches of egg stone were then placed on this, after which it was thoroughly rolled. Tarvia X was then applied at the proportion of 1½ gallons to the square yard. After this a covering of nut stone was laid for the purpose of filling in all voids. The surface was then rolled and Tarvia X was again applied at the proportion of ½ gallon to the square yard. Lastly, pea stone was added, and the surface thoroughly rolled. The roadway is now in an excellent condition.

On May 25th, 1911, a contract was made with the Winchester Stone Co. for delivery of about four thousand tons of crushed stone on the Parkway at a cost of $1.62 per ton.

SECTION C

(Area 13.39 acres)

Section C extends from the west line of the fourth street west of Massachusetts avenue to the east line of Brookline street.

The only work done on the section the past year was the patching and oiling of the 30 feet roadway. Nine thousand cubic yards of filling were received from the Subway without any cost to the department. Receiving this filling made it possible to open the roadway over the bridge. Although the use of the roadway has been rendered possible, it is still in a crude condition for public travel.

SECTION D

(Area 38.31 acres)

Section D extends from the west line of Brookline street to the south line of River street.

Twenty-nine Welsbach lights have been maintained; eighteen on the driveway and eleven on the island, together with the three arc lights on the beach during the bathing season.

ROADWAY REBUILT LOOKING WEST FROM MASS. AVENUE

The forty feet roadway between Brookline street and Magazine street has received a coating of Tarvia B. The condition of the roadway between these streets is very good. With the balance of the money, which was left from building the roadway on Sections A and B, between the Cambridge Bridge and the Charlesgate Hospital, 560 feet of the forty feet roadway west of Magazine street was partially built.

The bath house was open from June 14th to August 25th with the following attendants: Two life guards, two men in the men's bath house, one in each locker house; one woman in the women's bath house and one woman selling tickets. The bath house had to be closed two weeks earlier than usual on account of the small appropriation; and also on account of the enforcement of the eight-hour law which made it necessary to employ one man extra for six days and one lady extra two days each week.

The new office was built, the rafts repaired and considerable repairing was done on the buildings.

The buildings which were built in 1900 were built for temporary use only, and have long since outlived their usefulness. The floors are rotted, the roof leaks so badly that it is impossible to keep the suits and towels dry during a storm. I believe with a new building, equipped with modern improvements, the beach would be patronized more extensively.

The receipts for the season were $1,127.34, an increase over last year of $232—and if the accommodations could have been offered to those who were turned away during the hot wave the receipts would have been much greater. The laundry work was done by the Quaker Laundry Company at $2.75 per hundred suits, 65 cents per hundred stockings, and 75 cents per hundred towels. A new boat was purchased.

SECTION E

(Area 1.77 acres)

Section E extends from the north line of River street to the south line of Western avenue.

On May 2nd, 1911, the Riverside Boat Club house was burned, and settlement has been made to the club by the city for the land and building. Thus one of the obstacles which has previously prevented the opening of the roadway has been removed. With a sufficient appropriation this section can now be opened for public travel, and thus be the connecting link between Sections D and F. By so doing a long felt necessity will be filled.

SECTION F

(Area 13.89 acres)

Section F extends from the north line of Western avenue to the east line of Boylston street.

Seventeen Welsbach lights have been maintained during the year.

The entire length of the forty feet roadway was thoroughly repaired this year. It received a coat of Travia B and is now in a fair condition.

SECTION G

(Area 16.07 acres)

Section G extends from the west line of Boylston street to the east line of the land of the Stillman Infirmary.

Twenty-six Welsbach lights have been maintained during the year.

That part of the 40 feet roadway which extends through the section has received the same treatment as Section F.

The cost of gravel for both sections amounted to $150.00.

Eighteen settees were repaired and painted.

SECTION H

(Area 1.44 acres)

Section H extends from the east line of the land of the Stillman Infirmary to the Metropolitan taking at Gerry's landing.

The section received the care of the men employed at Section G.

LONGFELLOW PARK

(Area 2.14 acres)

The $250 appropriated for care of this park is not sufficient to keep it in proper condition. When one considers that the above appropriation will provide for the services of one man from April 1st only to the second week in August, when one man should be employed until November 1st, it is clearly to be seen that this appropriation is not sufficient to give this park of over two acres the care it really requires.

CAMBRIDGE COMMON

The work at the entrance to the Memorial Gateway has not been completed on account of the delay in receiving the curbing which did not arrive until the middle of October, giving just about time to have it set when the frost entered the ground, preventing any planting or granolithic being done. This work will be completed as soon as the weather permits.

Sixty-five settees were repaired and painted.

Three new carriages were made and placed under the guns at a cost of $150.00.

One hundred and sixty-one trees on the Common were trimmed. Dead trees were removed.

Both the trees trimmed and those removed were badly infested with the leopard moth.

The entrance of the Subway at the small Common is practically completed.

PUBLIC LIBRARY

In former years the grounds around the Cambridge High and Latin Schools, and also the grounds around the Manual Training School, were cared for by this department. This year, by an order of the City Government, these grounds came under the control of the School Department.

The grounds about the Library received the usual care, one man being employed during the summer.

FORT WASHINGTON AND HASTINGS SQUARE

The usual care has been given these places. The grounds around both these parks provide suitable recreation places for mothers and young children during the hot summer months.

CITY HALL

The grounds around City Hall received a coat of sub-soil, a fertilizer was used and the grass seed sewn. On account of the scarcity of water no watering was done after July 1st. Consequently the appeaance was not as good as it has been in former years.

WINTHROP SQUARE

This square received the usual care and attention.

BROADWAY COMMON AND DANA SQUARE

Both of these places were given to the Playground Commission in 1910. Since that time the Park Department has done everything in its power to keep it in as good condition as possible, considering the unfavorable circumstances with which it has had to contend. These two places serve as proof that playgrounds and parks cannot be maintained in such small areas without proper supervision, a thing which has been lacking in the past.

Dana Square is in a very deplorable condition when considered from a park point of view. Almost the same thing might be said of Broadway Common. I should recommend that protection be given these places if they are to continue as parks and playgrounds.

HENDERSON SQUARE

This square is located at the junction of Western avenue, Pleasant and River streets, and although given over to the city by the heirs of Annie Jacobs in 1908, nothing in the way of improvement has been done until this year. A granolithic curb has been built around the square, and it is hoped that the coming year shrubs may be planted and grass seed sown to add to the appearance.

EAST CAMBRIDGE EMBANKMENT

(Area 8.35 acres)

No work has been done on the embankment except the making of a contract for a new floating bath house to be located along the sea-wall. This is to be completed and ready for use at the opening of the bathing season. As the opening of Commercial avenue by the Street Department now provides a direct route from Charlestown to our Park system, it is necessary that those grounds be put in such condition that they will give as favorable an appearance as the Metropolitan Park on the opposite side of the Basin. In its present condition when we compare the grounds around these two places ours presents rather an unsightly view.

RINDGE FIELD AND SHELTER

(Area 11.28 acres)

The Shelter has been opened for the entire year for the first time. Those employed were a superintendent, a matron, one man on the field and an extra man on the field during the summer months.

The opening of the six shower baths in the basement has proven very beneficial to the large numbers of those patronizing them during the summer and winter.

The building has been painted outside and inside, the woodwork has been varnished, the cellar has been whitewashed and is now in first-class condition.

The ball field is becoming more popular each year. This is shown by the issuing of 40 permits in the past year. The field and baths were used to good advantage by the Rindge Manual Training School during their spring training.

The members of the police force played all their home games here in the presence of a great number of people on each occasion.

The ball games, fireworks, and band concerts given under the direction of the City Government last Fourth of July proved a great success; over 5,000 enjoying them.

The field was used also to good advantage for football during the football season.

Skating was enjoyed continually from January 1st to March 1st. A hockey rink was laid out and matched games were played.

One man has been employed in the Nursery caring for the stock.

The following is an account of Nursery stock:—

TREES

Acer platanoides	9
“ saccharum	11
Platanus orientalis	62
Populus dilata	16
Quercus rubra	21
Salix pentandra	7
Tilia Americana	12
Ulmus Americana	18

SHRUBS

Amorpha fruticosa	7
Andromeda japonica	8
Aralia pentaphylla	76
Azalea amoena	10
Baccharis halimifolia	6
Berberis thunbergii	1,000
“ vulgaris	9
Buxus sempervirens	20
Calycanthus floridus	21
Caragana arborescens	43
Ceanothus Americanus	2
Celastrus scandens	38
Clethra alnifolia	137
Cornus alba	7
“ florida	33
“ paniculata	19
“ sericea	140
“ sanguinea	53
Cratægus oxycantha	52
Deutzia crenata	10
“ gracilis	10
Eleagnus longpipes	14
Euonymus radicans	150
Exochorda grandiflora	31
Forsythia fortuneii	100
Forsythia viridissima	70
Hydrangea asplenifolia	40
“ paniculata	7
Ilex glabra	12
“ vertirillata	8
Kalmia latifolia	30
Ligustruc ibota	25
“ ovalifolium	69
“ vulgaris	22
Lonicera brachypoda	50
“ halliana	40
“ tatarica alba	25
“ tatarica	90
Lycium barbarum	7
Mahonia aquifolia	18
Philadelphus coronarius	20
Periploca græca	20
Rhamnus cartharticus	20
Rhodotypos kerriodes	5

Rhus aromatica	50
“ canadensis	30
“ typhina	15
Ribes aurem	2
Robinia hispida	5
Rosa multiflora	19
“ nitida	1
“ robina	6
“ rugosa	200
“ setigera	6
“ wichuraiana	20
Spiræa Anthony waterer	33
“ aurum	6
“ billardii	9
“ bumalda	35
“ pruniflora	5
“ salicofolia	17
“ Van Houteii	31
“ thunbergii	100
Staphylea trifolia	40
Stephanandra flexuosa	16
Symphoricarpos vulgaris	232
Syringa vulgaris	26
Tamarix africana	6
Viburnum cassinoides	14
“ dentatum	42
“ lantana	40
“ lentago	2
“ opulis	18
“ opulis nana	4
“ tomentosa	11
Vinca minor	200
Xanthrorrhiza apilfolia	100

The following table shows the appreciation of the shower baths at the Shelter Building the last year:—

	Men	Girls and Women	Boys
1911			
April	560	13	....
May	800	307	....
June	750	325	40
July	1,400	685	420
August	580	420	300
September	410	80	20
October	280	25	....
November	278	8	....
December	290	6	....
1912			
January	200	6	....
February	209	....	....
March	274	....	....
Totals	6,031	1,875	780

Grand total—8,686

The following is an account of stock on hand on the field:—

3 long-handled shovels
3 galvanized ash barrels
3 scufflers
3 wooden rakes
2 iron rakes
2 ice water coolers
2 brooms
2 bubblers
1 set bases
1 pick
1 grub
1 snow shovel
1 pail
1 lantern
1 box toilet paper
1 hammer
1 axe
1 screw driver
1 ice scraper
1 whitewash brush
1 coal shovel
4 paint brushes
280 towels
21 settees
20 lbs. soap

CAMBRIDGE FIELD AND SHELTER

(Area 12.64 acres)

Four men have been employed at the field this past season cleaning the shrubbery beds and cutting grass.

Eleven dead trees were replaced.

Granolithic walks were laid on the paths parallel with Willow and York Streets by Simpson Brothers Corporation at a cost of $1,193.43.

The running track proved a great attraction for the boys in the vicinity as well as the ball fields.

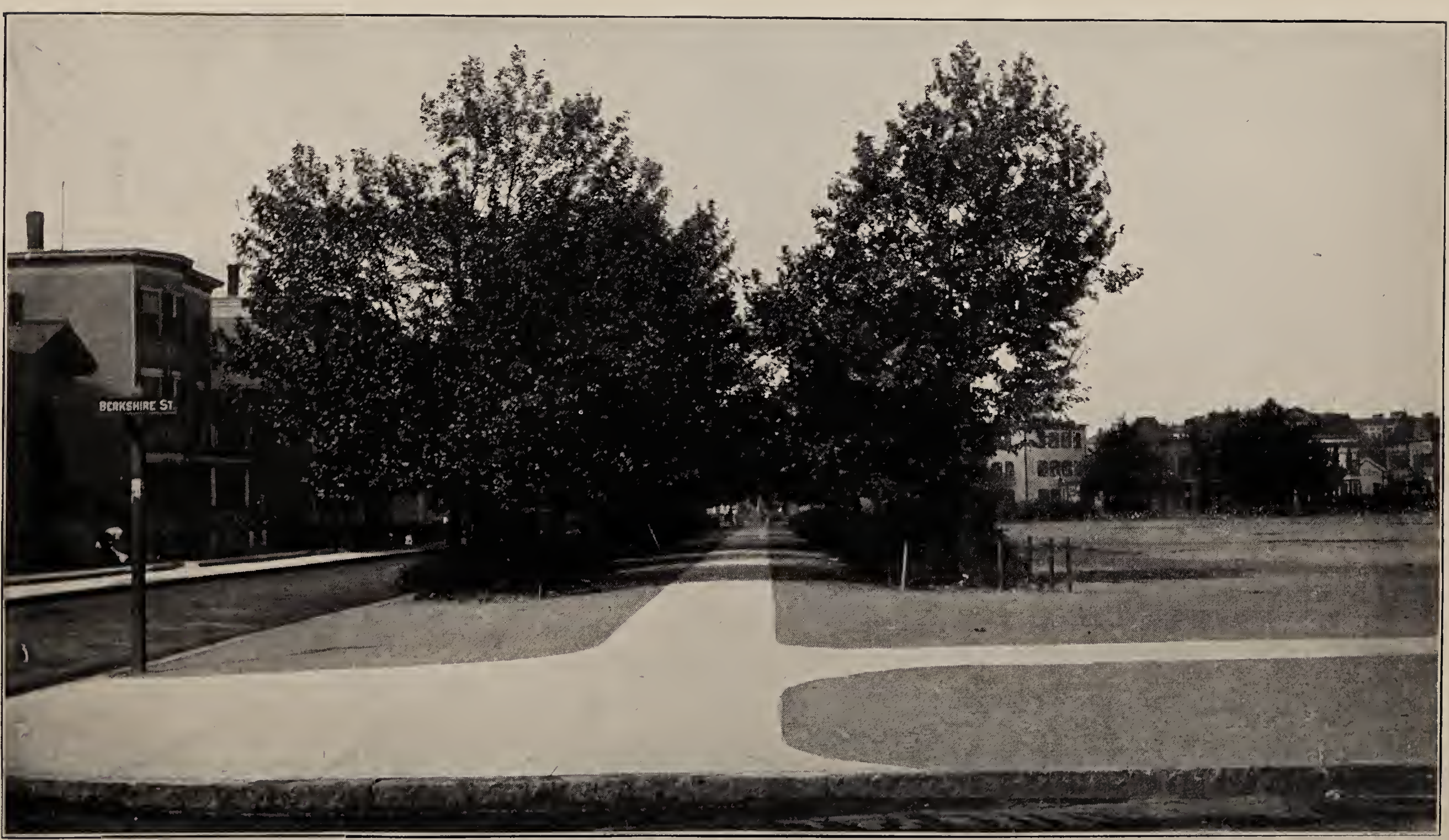
The field was flooded during the winter for skating and was kept in excellent condition, and as a result 47 days of skating were enjoyed.

The shower baths at the Shelter building were patronized well, as the table of bathers will show. It is hoped that additional showers may be installed in the basement during the coming year in order to accommodate a greater number of people.

The shower baths continue to increase in popularity, as is shown by the following table of bathers:

	Boys	Girls	Women	Men
1911				
April	955	123	734	3,809
May	2,280	543	1,105	5,134
June	3,882	723	1,420	5,571
July	8,311	1,434	1,778	7,233
August	7,320	944	1,453	5,328
September	3,569	519	1,137	3,788
October	708	164	1,098	3,014
November	523	....	644	2,833
December	510	....	758	2,974
1912				
January	215	....	593	2,374
February	161	....	715	2,315
March	299	....	870	2,687
Totals	28,733	4,450	12,305	47,060

Grand total—92,548



GRANOLITHIC WALK CAMBRIDGE FIELD, LOOKING WEST FROM BERKSHIRE STREET

The following is an account of stock on hand at the field:—

600 feet rope
276 towels
150 feet fire hose
100 feet garden hose
200 lbs. soap
30 rolls paper
5 reed push brooms
5 short-handled shovels
5 ash barrels
4 picks
4 long-handled shovels
4 lawn mowers
3 corn brooms
3 spades
3 lanterns
3 iron rakes
2 wooden scoops
2 floor brushes
2 iron wheelbarrows
2 wooden wheelbarrows
2 crow bars
2 pairs trimming shears
2 long handled clippers
1 wooden rake
1 scuffler
1 gallon floor oil
1 grubber
1 step ladder
1 fork
1 reel for fire hose
1 platform truck
1 flag
1 iron ladder
1 sod edger
1 hand saw
1 cross-cut saw
1 sledge hammer
1 pair rubber boots

BROWN TAIL MOTH AND ELM LEAF BEETLE EXTERMINATION

About 2,300 private estates were cleaned of the gypsy and brown tail moths during the winter months.

On account of the raise of salary of the employees from $2.00 to $2.25 per day a charge of 28 cents per hour per man, instead of 25 cents was made, in making up the charges which will appear on the tax bills. About 2,781 street trees were cleaned and the condition of the city in relation to the gypsy and brown tail moths is excellent. If it was not for the destructive habits of the leopard moth we would have nothing to fear for our foliage. The latter insect still continues to spread and do a great amount of harm to the trees and shrubs. As yet no remedy has been found successful for checking the pest.

The elm leaf beetle seems to have been driven away by the spraying done each year. The trees were sprayed for the tussock where any traces were found.

SHADE TREES

A large amount of work has been accomplished this past year in the removal of dead trees. In July a contract was entered into with H. L. Frost of Arlington for the removal of 125 dead trees on the streets for the sum of $2,437—or $19.40 per tree.

The contractor was required to do all the work in connection with the removal of these trees and leave the sidewalks and streets in a safe condition. This contract was completed in October. The men of the department removed 117 dead trees, 198 stumps and 44 heads, making a total of 430 dead trees removed during the year. Five hundred and twenty trees were trimmed.

During the winter months, when the gypsy and brown tail moths were being treated and removed, the men also removed a number of dead limbs from the trees.

In the spring 462 young trees were planted throughout the city to partly replace those that had died during the year.

If as much work can be done for the trees the coming year there will be very few of the dead trees left standing.

THE YEAR'S EXPENDITURES

The expenses of the department for the financial year of 1911 are shown in the following summary of the departmental accounts:—

PARK LOANS

(Lands and Construction)

Amount of unused balance of 1910 appropriation reappropriated April 27, 1911	$11,234 32
Amount transferred August 8, 1911, from Delta, Cambridge Bridge	1,027 17
Amount appropriated September 20, 1911	6,200 00
Amount transferred September 20, 1911, from Granolithic Walks, Cambridge Field, etc.	800 00
Amount transferred March 2, 1912, from Shower Baths, etc., Rindge Field	35 00
	$19,341 49

EXPENDED

River Parkway, Section A:			
Cracked stone	$2,615 01		
Payrolls	2,050 28		
Loam	307 77		
Teaming	274 50		
Hire of steam roller	130 00		
Hardware, tools, etc.	33 85		
Trees	25 00		
Advertising	19 00		
Drain pipe	14 49		
Lumber	6 38		
Coal for roller	4 15		
		$5,480 43	
Amount carried forward		$5,480 43	$19,341 49

Amounts brought forward		$5,480 43	$19,341 49
River Parkway, Section B:			
Cracked stone	$2,061 73		
Tarvia for roadway	797 96		
Oil for roadway	136 00		
Hire of steam roller	134 00		
Payrolls	63 75		
Drain pipe	14 50		
Hardware, tools, etc.	13 83		
Trees	10 00		
Lumber	6 36		
Coal for roller	4 15		
		3,278 28	
River Parkway, Section C:			
Trees		25 00	
River Parkway, Section D:			
Payrolls	$1,096 28		
Teaming	467 48		
Cracked stone	318 15		
Loam	187 90		
Tarvia	70 00		
Trees	50 00		
Hardware, tools, etc.	22 10		
Ashes	21 00		
		2,232 91	
River Parkway, Section E:			
Land damages	$7,000 00		
Examination of titles, etc.	35 00		
		7,035 00	
River Parkway, Section F:			
Payrolls	$428 62		
Tarvia for roadway	280 60		
Teaming	80 25		
Gravel	76 00		
		865 47	
River Parkway, Sections G and H:			
Tarvia for roadway	$336 10		
Gravel	74 67		
Teaming	12 00		
Hardware, tools, etc.	1 60		
		424 37	
Total amount			$19,341 46
Balance unexpended			$ 03

GRANOLITHIC WALKS, CAMBRIDGE FIELD AND REARRANGEMENT OF MEMORIAL GATEWAY, CAMBRIDGE COMMON

Amount appropriated June 23, 1911	$2,500 00
Amount transferred September 20, 1911, to Section E	800 00
Amounts carried forward	$1,700 00

Amount brought forward			$1,700 00
Amount transferred March 2, 1912, from Shower Baths, etc., Rindge Field			63 90
			$1,763 90

EXPENDED

Granolithic Walks:			
Advertising	$4 88		
Artificial Walks	1,193 43		
		$1,198 31	
Rearrangement, Memorial Gateway:			
Payrolls	$138 25		
Posts and granite curb	312 00		
Cement	3 04		
		453 29	
Total amount			$1,651 60
Balance unexpended			$112 30

DELTA, CAMBRIDGE BRIDGE

Amount of unused balance of 1910 appropriation reappropriated April 27, 1911		$2,000 00
Amount transferred August 8, 1911, to Sections A, B, D, F, G and H		1,072 17
		$927 83

EXPENDED

Payrolls	$668 00	
Teaming	211 50	
Loam	32 58	
Stakes for engineers	15 75	
Total amount		$927 83

SHOWER BATHS AND HEATING APPARATUS, RINDGE FIELD

Amount of unused balance of 1910 appropriation reappropriated April 27, 1911		$514 27
Amount transferred March 2, 1912, to Section E	$35 00	
Amount transferred March 2, 1912, to Granolithic Walks, etc.	63 90	
		98 99
		$415 37

EXPENDED

Final payment on contract for shower baths and installation of extra shower bath	$188 61	
Final payment on heating apparatus, contract	140 25	
Making new entrance, carpentering	45 23	
Repairs to building	16 48	
Erecting iron fence at new entrance	14 32	
Hardware, tools, etc.	5 08	
Plumbing	5 40	
Total amount		$415 37

FLOATING BATH HOUSE

Amount appropriated June 22, 1911		$4,500 00

EXPENDED

First payment on contract for same	$1,002 00	
Advertising	18 12	
Blue prints for same	3 16	
Total amount		1,023 28
Balance unexpended		$3,476 72

PARK MAINTENANCE

BROWN TAIL MOTH AND ELM LEAF BEETLE EXTERMINATION

Amount appropriated May 19, 1911		$7,000 00

EXPENDED

Payrolls	$5,734 65	
Arsenate of lead	528 00	
Teaming	229 50	
Portion of salary of clerk chargeable	126 00	
Repairs spraying machine	94 13	
Board of horse	76 00	
Ladder repairs	43 30	
Postage and stationery	31 50	
Index cards	26 25	
Creosote	18 17	
Printing notices to property owners	18 00	
Hardware, tools and supplies	16 49	
Wagon repairs	15 45	
Gasoline	15 00	
Horseshoeing	11 25	
Nozzles for hose	10 00	
Cylinder oil	4 00	
Harness repairs	1 85	
Total amount		6,999 54
Balance unexpended		$ 46

SECTIONS A, B, D, F, G and H

Amount appropriated May 19, 1911	$7,143 85
Amount transferred November 28, 1911, to Longfellow Park, Maintenance	3 26
	$7,140 59

EXPENDED

Section A:			
Lighting	$172 60		
Tarvia for roadway	321 76		
		$494 36	
Section B:			
Payrolls	$1,372 12		
Lighting	769 56		
Tarvia for roadway	129 97		
Raft repairs	125 31		
Stakes for engineers	20 00		
Hardware, tools, etc.	8 48		
Hose for young trees	3 00		
		2,428 44	
Section D:			
Lighting	$516 89		
Payrolls	674 51		
Tarvia for roadway	69 00		
Tools	5 00		
Water, "off and on"	1 00		
		1,266 40	
Section F:			
Payrolls	$651 46		
Lighting	503 16		
Tarvia for roadway	46 50		
Teaming	18 00		
		1,219 12	
Sections G and H:			
Payrolls	$935 12		
Lighting	769 68		
Stakes for engineers	20 00		
Hardware, tools, etc.	7 40		
		1,732 20	
Total			$7,140 52
Balance unexpended			$ 07

CAMBRIDGE FIELD AND SHELTER

Amount appropriated May 19, 1911			$5,755 00
Amount appropriated March 2, 1912			100 00
			$5,855 00

(The Field)

EXPENDED

Payrolls	$1,762 52		
Lighting	686 85		
Teaming	48 00		
Repairing flag-pole, housing halliards, etc.	29 20		
Repairs and tools	18 34		
Stakes for engineers	12 50		
Repairs, board walks	17 24		
Flag for pole	6 80		
		$2,581 45	

(The Shelter)

EXPENDED

Payrolls	$2,381 67		
Coal	464 00		
Lighting	115 07		
Laundering towels	104 50		
Towels	58 75		
Soap	53 36		
Plumbing repairs	51 17		
Toilet paper and expressage	26 00		
Supplies	19 00		
		3,273 52	
Total			$5,854 97
Balance unexpended			$ 03

SHADE TREES

Amount appropriated May 19th, 1911		$5,440 00

EXPENDED

Payrolls	$3,820 63	
Trees	390 00	
Wire netting	337 50	
Teaming	260 25	
Tree poles	245 00	
Loam	160 72	
Hardware, tools, etc.	106 37	
Rope	28 80	
Hire of steam roller	24 00	
Sharpening saws	23 25	
Stationery and books	21 75	
Hose for tying young trees	8 40	
Bicycle repairs	6 00	
Cards for index	4 25	
Repairs, tools	2 68	
Total		$5,439 60
Balance unexpended		40

REMOVAL DEAD TREES.

Amount appropriated May 19, 1911		$5,000 00

EXPENDED

Contract, removal of 125	$2,437 00	
Payrolls	2,226 32	
Teaming	301 50	
Advertising	13 37	
Hardware, tools, etc	11 35	
Sharpening saws	10 15	
Total		$4,999 69
Balance unexpended		31

COMMONS, SQUARES AND PUBLIC GROUNDS

Amount appropriated May 19, 1911	$4,250 00
Amount appropriated March 2, 1912	200 00
	$4,450 00

EXPENDED

Payrolls	$3,580 32	
Lighting	336 58	
Hardware, tools and supplies	141 96	
Teaming	108 00	
Repairs board walks	77 41	
Lawn seed	43 22	
Housing topmasts, fixing halliards, etc.	35 75	
Repairing fence, Dana Square	35 16	
Loam	27 72	
Stakes for engineers	20 00	
Loam	18 27	
Wire for fencing	15 94	
Slats for settees	8 10	
Stationery	1 50	
Total		$4,449 93
Balance unexpended		$ 07

RINDGE FIELD AND SHELTER

Amount appropriated May 19, 1911			$3,787 41

(The Field)

EXPENDED

Payrolls	$1,856 66		
Lighting, Cambridge Electric Light Co.	180 00		
Lighting, Welsbach Street Lighting Co.	59 16		
Teaming	24 00		
		$2,119 82	

(The Shelter)

EXPENDED

Payrolls	$1,260 00		
Coal	147 64		
Towels	99 45		
Supplies	39 63		
Plastering repairs	30 00		
Laundering towels	18 45		
Repairs, building	17 64		
Plumbing repairs	14 80		
Lighting	12 73		
Soap	8 80		
Ice for cooler	7 20		
Furniture	6 50		
Stationery	4 50		
		1,667 34	
Total			3,787 16
Balance unexpended			$ 25

SALARIES

Amount appropriated May 19, 1911		$2,600 00

EXPENDED

Salary of General Superintendent	$1,800 00	
Salary of Clerk and Bookkeeper	790 46	
Total		2,590 46
Balance unexpended		$9 54

BATH HOUSE

Amount appropriated May 19, 1911		$1,700 00

EXPENDED

Payrolls	$1,043 11	
Laundering towels, suits, etc	178 83	
Lighting beach	125 88	
Building new office and repairs to house	156 47	
Bathing suits	54 88	
Tools and supplies	41 28	
Row boat	41 00	
Stationery	20 49	
Oxone generator	15 00	
Supplies (needles, thread, etc.)	12 20	
Plumbing repairs	6 90	
Medicinal supplies	3 48	
Expressage	25	
Total		1,699 77
Balance unexpended		$ 23

GENERAL ACCOUNT

Amount appropriated May 19, 1912	$1,350 47
Amount transferred November 28, 1911, from Street Department, Maintenance	432 00
	$918 47
Amount appropriated March 2, 1912	200 00
	$1,118 47

EXPENDED

Board of Superintendent's horse	$226 00	
Telephone service	159 56	
Printing and binding Annual Report of 1910	134 30	
Repairs, Riverside Boat Club house (1909)	85 11	
Horseshoeing	75 37	
Repairs stable	67 40	
Postal cards and stamps	52 24	
Printing and stock	50 25	
Stationery	42 12	
Entertaining Committee on Parks and Finance	31 60	
Printing and binding copies of ordinances and statutes	25 00	
Letter heads (embossed)	20 88	
Harness repairs and supplies	26 60	
Payrolls, ruled and printed	19 25	
Repairs Superintendent's carriage	31 35	
Ledger Journal and payroll books	29 25	
Amounts carried forward	$1,076 28	$1,118 47

Amounts brought forward	$1,076 28	$1,118 47
Miscellaneous supplies	13 85	
Car tickets	10 00	
Kerosene oil	9 75	
Directory—1912	4 00	
Subscription "Municipal Journal"	3 00	
Repairs typewriter	1 15	
Total		$1,118 03
Balance unexpended		$ 44

LONGFELLOW PARK

Amount appropriated May 19, 1911		$250 00
Amount transferred November 28, 1911, from Maintenance, Sections A, B, D, F, G and H		3 26
		$253 26

EXPENDED

Payrolls	$253 26	
Total		$253 26

PLACING CURB, PLEASANT STREET PARK

Amount appropriated May 19, 1911		$225 00

EXPENDED

Contract for artificial stone curb	$209 00	
Loam	15 93	
Total		224 93
Balance unexpended		$ 07

GUN CARRIAGES, CAMBRIDGE COMMON

Amount appropriated November 18, 1911		$150 00

EXPENDED

Repairing same	$150 00	
Total		150 00

Respectfully submitted,

JOHN F. DONNELLY,
General Superintendent of Parks.

REPORT OF CITY MESSENGER

Office of City Messenger,
Cambridge, Mass., June 11, 1912.

To the Honorable, the City Council, Cambridge, Mass.:—

Gentlemen:—In compliance with the provisions of Section 3 of Chapter VIII of the Revised Ordinances of 1892, I submit my report for the year ending March 31, 1912, as follows, viz.:

POSTAGE AND STATIONERY

Stock of stationery on hand April 1, 1911	$525 02
Purchased during the year	1,625 50
	$2,150 52
Deliveries were as follows:	
Assessors' Department	41 05
Auditing Department	39 99
Board of Health	93 25
Cemetery Department	90 31
City Clerk Department	204 54
City Council Expenses	54 45
City Messenger Department	39 85
Clerk of Committees Department	97 31
Election Expenses (City Clerk)	153 37
Electrical Department	27 93
Engineering Department	26 16
Executive Department	108 62
Fire Department	16 34
Inspector of Milk and Vinegar	4 20
Law Department	31 75
Overseers of the Poor	42 00
Park Department	120 12
Police Department	29 64
Public Library Department	150 24
Sealer of Weights and Measures	10 06
Sewer Department	11 40
Soldiers' Aid Department	33 75
Street Department	78 46
Superintendent of Buildings	56 07
Registrar of Voters	28 09
Treasury Department	46 66
Water Department	82 98
Playground Commission	6 07
Industrial Commission	5 20
Brandon Testimonial	21 43
Stock on hand, March 31, 1912	399 23
	$2,150 52

During the municipal year annual documents have been received from the following cities and towns and are on file in the reference library:

Arlington	1910-11
Bangor, Me.	1911
Belmont	1911
Beverly	1910
Brockton	1910-11
Brookline	1910-11
Chelsea	1910
Chicopee	1910-11
Concord, N. H	1910
Everett	1910
Fall River	1910
Fitchburg	1910
Gloucester	1910
Haverhill	1910
Holyoke	1910
Lawrence	1909-10
Lowell	1910
Lynn	1910
Marlboro	1910
Nashua, N. H.	1910
Newburyport	1910-11
Newport, R. I.	1910
Newton	1910
Northampton	1910-11
Pittsfield	1911
Portsmouth, N. H.	1910
Portland, Me.	1910
San Francisco	1910-11
Somerville	1910
Springfield	1911-12
Taunton	1910-11
Waltham	1910
Watertown	1911
Woburn	1910

Respectfully submitted,

A. FRANK MONTGOMERY,
City Messenger.

REPORT OF INSPECTOR OF ANIMALS

To the Honorable the City Council:—

Gentlemen:—The Veterinarian and Inspector of Animals submits the following report for the year ending March 31, 1912:

Appropriation		$825 00
Salary of Inspector of Animals	$700 00	
Medicines and drugs	125 00	
		825 00

The appropriation was all spent for medicines for the horses of the various departments in the city.

By order of the Cattle Bureau the cows in the city have all been examined and found to be in a healthy condition and the barns are kept clean.

There have been killed 40 cases of horses with glanders and farcy.

No cases of rabies in dogs have been found.

The horses belonging to the city have been free from any epidemic and have been healthy.

Thanking His Honor the Mayor and members of the City Council for the favor conferred upon me.

Respectfully submitted,

CHARLES E. HADCOCK, M.D.V.,
Inspector of Animals.

REPORT OF THE TRUSTEES OF THE DOWSE INSTITUTE

Willard A. Bullard, Treasurer, in Account with Dowse Institute

Receipts

1911			
April 10	—Balance	$178 93	
1912			
Feb. 3	—City of Cambridge, interest on fund one year	600 00	
	Harvard Trust Co., interest on daily balance	1 37	
			$780 30

Disbursements

1912				
Feb. 8	—Cambridge Tribune	Advertising	$5 50	
" 13	—W. Lyman Underwood	Two lectures	50 00	
	Cambridge Standard	Advertising	6 00	
" 15	—Cambridge Chronicle	Advertising	10 00	
" 20	—W. Lyman Underwood	Lecture	25 00	
	Cambridge Chronicle	Advertising	17 40	
" 29	—Louis F. Weston	Tickets	5 50	
	The Advocate	Advertising	5 00	
Mar. 6	—Cambridge Standard	Advertising	6 00	
" 21	—Seumas MacManus	Lectures	150 00	
	Seumas MacManus	Expenses	10 00	
April 11	—J. L. Winter	Lectures	120 00	
	Martha E. Driver	Concerts	196 00	
	Cambridge Sentinel	Advertising	10 00	
	Balance		163 90	
				$780 30

WILLARD A. BULLARD,
Treasurer.

REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

Cambridge, March 26, 1912.

To the Honorable, the City Council of the City of Cambridge:

The Trustees of the Cambridge Public Library respectfully submit this their fifty-fourth annual report, covering the fiscal year ending March 31, 1912.

As in previous years, the account of the regular work of the past year is left largely to the librarian, and to his report which follows the trustees herewith refer your body. In their report the trustees purpose rather to lay stress upon the needs of the library, two of which were stated at length in the report of the previous year, and others of which have grown in prominence during the year just past.

Two needs of vital concern to the welfare of the library seem no nearer fulfilment now than when first mentioned a year ago. One is a branch library in or near Central Square. The trustees feel obliged to repeat mention of this need because of their realization of its importance. A hope that suitable quarters might be provided in a plan of the superintendent of buildings, proposed last year, for the renovation of the old building of the Police Department, just off Central Square, has had to be indefinitely postponed. As being nearer the centre of population than the central library itself, a branch library in the neighborhood of Central Square would better serve a majority of the people. The attention of your body to this pressing need is most strongly urged by the Board of Trustees, and it is hoped that immediate steps may be taken to that end. Quarters having been secured, a moderate equipment and service during the first year could be provided for about $1,500.

It will always be a matter of regret, as well as a hindrance to the use of the library by the greatest number, that the original conditions of the Rindge gift fixed the present location of the main building at so considerable distance from the centre of the city and of the population. On the educational side, however, it should be borne in mind that the central library is located in the midst of the High School group of buildings, and also that its nearness to both Harvard and Radcliffe colleges gives excellent opportunities for their service, the two college libraries being far inadequate to supply the demands of their own students, all of whom can avail themselves of the privileges of the public library.

Another need, of which a detailed account was given in last year's report, has come to be still more urgent with the lapse of another year, and to that account the attention of your body is now called. This need is a new children's room, which it is proposed shall be placed in a new wing, to be erected on the north side of the main building, and in line with that of the stack. Moreover, the upper floor of this new wing could be made into a small lecture hall, and thus add a new feature of equipment to the whole library service, with a special view to aiding the work of co-operation with the schools of the city during the annual visits to the library of the highest grammar grade pupils. The cost of such a wing would be approximately $40,000.

At the same time the withdrawal of the children would leave their present room free for immediate use, and without much expense, as an extension of the reference department, which has also become crowded. In this extension could be placed all the magazines and newspapers, and the open shelves could be utilized for additional reference books, and for collections of books on special topics, to be drawn from the stack as occasion might demand.

A need of another kind is the perennial one of an increase in the amount of appropriation for the special purpose of meeting the urgent demands for new and popular books. To these demands the consideration of your body is now urged, for within the appropriations of the past few years it has been impossible for the public library to give satisfactory service to an increasing number of people. As a result, those who wish to read, without buying outright, the latest popular novels must resort more and more to the pay circulating libraries of this city and Boston. It is not, to be sure, the province of the public library to furnish more than a limited supply, and that to be carefully chosen, from the large and varied output of fiction in its season, and in this respect the public library does not figure as a serious competitor of the pay circulating libraries, which are apt to cater to the tastes of all kinds of readers, regardless of the character of the books so dispensed.

The attention of the Park Department is likewise called to the worn condition of the board walks on the public library grounds. It is strongly urged that new granolithic walks be substituted for the old ones, as bringing ultimately a considerable saving in expense as well as a great advantage and comfort to all who come to the library, or who pass through its grounds. At the same time a more effective lighting equipment throughout the grounds could well be considered by this department.

A long-standing need for the East Cambridge branch library is a change of lighting from gas to electricity, the obvious advantages of the latter having been shown at both the central library and the North Cambridge branch library. At the same time there is a need at the older branch library of a complete renovation of the tables and other furnishings. With the appointment of Miss Catherine A. McAleer as regular assistant last November, which was made possible only by an extra appropriation of $100.00, the strain of work upon the branch librarian, Miss Mary Curtis, was relieved, and a considerable extension of the service introduced.

Among other needs may be mentioned hand fire extinguishers for the central library and branches. Repairs have been made as needed, and no large amount has been necessary during the last year.

The first instalment of interest on the newest fund, the William Penn Harding bequest of $1,000, of which a detailed statement appeared in the last annual report, became due in October, 1911. This fund will bring the total of the invested funds of the library up to the amount of $24,983.38, which is still small for a library of this size.

The membership of the board of trustees underwent several changes. In April, 1911, Mr. Joseph P. Quilty succeeded Mr. William H. Lewis, and in May, Professor Joseph H. Beale having resigned as representative of the school committee, Mr. Frederick A. McMenimen was appointed in his place. In July Fr. William J. Barry succeeded Fr. John F. Walsh on the resignation of the latter. Professor Thomas N. Carver having also resigned, Dr. John E. Somers was appointed in March to be his successor. At the annual meeting in January Mr. Edward P. Collier was chosen president of the board, to succeed Mr. Edward C. Wheeler, after a most efficient, untiring and impartial service of three years. At the same time Mr. Joseph

L. P. St. Coeur was re-elected treasurer, and the librarian again became secretary.

A sad but memorable event in the history of the library was the death of Colonel Thomas Wentworth Higginson, on May 9, at his home, at the age of eighty-seven. Colonel Higginson had been a trustee of the library for fourteen years, from 1889 to 1903, and had always been among the foremost in promoting its welfare, especially at the time of the erection of the present building, and in the establishment of the Citizens' Subscription Fund and of the collection of autograph letters for the Cambridge room. Colonel Higginson's active interest in the public library continuued to the last. In 1906 the trustees set aside to his memory the south end of the inner Cambridge room, which contained his special collection of letters, and called it the "Higginson Alcove," with his name inscribed upon a bronze tablet and his photograph placed below it on the south wall of the room. In commemoration of his eighty-second birthday, December 22, 1906, and in further recognition of his long and valuable service as trustee, was issued an exhaustive "Bibliography of Thomas Wentworth Higginson," in the form of the monthly bulletin, and based upon the Colonel's own note-book. As marks of respect to his memory the trustees passed resolutions, which were sent to the family, the president and the librarian were delegated to represent the board at the funeral, and the library was closed during the time of the service. At the library the photograph of the late Colonel was placed for a week in the main delivery room, and his books were put upon the open shelves. At the request of Mrs. Higginson a large, life-size portrait of the Colonel was hung in his "Alcove," for safe keeping during the summer, and it is hoped that it may in time become the property of the library.

On Tuesday, July 25, came the sudden death of William Taggard Piper at the age of nearly fifty-eight years. As marks of respect to his memory and of appreciation of his long and valuable service as trustee of the public library, the trustees voted at their regular meeting the day after, that a committee, consisting of the president and the librarian, be appointed to represent the board of trustees at the funeral; that the library be closed during that hour; and that the secretary be instructed to draft fitting resolutions, to be spread upon the records of the board of trustees, and a copy of the same to be sent to his family. Mr. Piper's service as trustee was the third longest in the history of the library, from 1892 to 1909, with the omission of the year 1903, and none knew the library better than he, or showe a keener interest in its welfare. He was secretary of the board in 1892–1893, president from 1894 to 1902, and treasurer from 1904 to his resignation in 1909. While treasurer he was also chairman of the committee on books, a voluntary work in which he spared neither time nor effort. In his death the library lost one of its most devoted trustees and patrons.

The Trustees:

EDWARD P. COLLIER, *President*,
JOSEPH L. P. ST. COEUR, *Treasurer*,
WILLIAM J. BARRY,
FREDERICK A. McMENIMEN,
JOSEPH P. QUILTY,
JOHN E. SOMERS,
EDWARD C. WHEELER.

REPORT OF THE LIBRARIAN

Cambridge, Mass., March 26, 1912.

To the Trustees of the Cambridge Public Library:

Gentlemen:—The librarian herewith submits the following report of the work of the library during the last fiscal year:

SUMMARY OF CIRCULATION

The total circulation of books during the past fiscal year, as shown in detail in Appendix 1 below, was 303,433, as against 314,316 for the previous year, a loss of 10,883. Of this amount the total adult circulation from the central library was 118,568, and that for the year before was 122,970, a loss of 4,402. From the children's room the total counts for the same periods were respectively 24,384 and 26,339, a loss of 1,955. At most of the stations and also at the North Cambridge branch library, the counts of circulation continue to show decreases, the figures for all of which are reserved for separate consideration below. In most instances the cause of the losses has been due to an insufficient appropriation for the purchase of new and popular books, and likewise the amount of the losses seems to be fairly proportionate to the decreases in the appropriations for each department. In the face of these losses, it is gratifying to be able to record for the circulation at the central library the high proportion of 44 per cent of non-fiction, as compared with 56 per cent of fiction, a showing which few libraries in the country can equal, but which this library has averaged for a number of years previous.

SUMMARY OF ADDITIONS

The total number of volumes of books, as shown in detail in Appendix 1 below, is now 95,534, an increase of 4,432 from 91,302 the year before. Of this total the central library has 85,385; the East Cambridge branch library 4,297; and the North Cambridge branch library 5,852. From eight funds were contributed 292 volumes. Of miscellaneous gifts there were accessioned 317 volumes, of which the total number was 518, and of exchanges only two. By way of retrospect it is interesting to note that the number of books in the whole library at the end of 1858, the first year of its existence, was 1,415; that the greatest gains came in 1890, the year after the erection of the present building (7,347, from 22,398 to 29,745), and in 1894, when was received the Wyman Medical Library of nearly 4,000 books (7,380, from 36,643 to 44,023).

THE CENTRAL LIBRARY BUILDING

The excellent condition of repair to which the central library building had been brought the year previous has left less of special importance to be done beyond the regular repairs of leaks in the roof, which seem to defy discovery, at the same time that they continue to disfigure the ceilings of various parts of the building. Further improvements in the electric light service were made by readjusting the main wiring connections in the basement, so that the burden of current would be more evenly distributed, and by combining on one switchboard all the lights of the main delivery room and of the adjoining newspaper room. The exterior walls of the central library were partially repointed, but in comparison with the two previous years the expenditures for repairs on the building have been only such as must be expected.

RETRENCHMENT

The amount of money available for the purchase of books has remained so nearly the same for the central library that the same conditions of inadequate service had to be continued, and the general public was compelled to undergo the same restrictions, especially with regard to the supply of new and popular books, as during the previous year. Present conditions are becoming such an old story that its repetition seems likely to be of little avail. Meanwhile, all books in demand are put to their utmost use, old and worn copies being made to do duty beyond their usual limits of service, and recent periodicals continuing unbound into the next fiscal year. As a result, the burdens of the past year are carried forward into the new year, and by so much is the forthcoming appropriation crippled. This condition applies not only to the purchase of new books but also to that of much needed supplies, postponement of purchase being made in every possible instance.

CATALOGUING DEPARTMENT

The usual routine of work in this department has had fewer points of interest than for several years previous. A duplicate card catalogue of books on local New England history has been completed for the Local History room; that of books on genealogy for the same room remains still undone. The replacement of worn and soiled cards in the main catalogue has been divided among four assistants, and has been kept well in hand by work at more or less regular intervals.

The main extra task has been the final revision of all the cards of the duplicate catalogues of the extensive collection of books on Mexico and Central America, which formed part of the bequest of the late Edward H. Whorf. As much time as possible was spared to continue the work of recataloguing the considerable collection of old books which are still available only through the use of the printed catalogue of 1887, and the supplement of foreign books issued in 1891. Of these about three hundred titles were prepared. In addition there remains a further task of reclassifying all the books catalogued between 1891 and 1896, when the present decimal system of cataloguing was adopted. It would require the services of an extra expert cataloguer a number of years to bring all this needed revision up to date, and to make it available from one general card catalogue.

BULLETIN LISTS

The special lists for the monthly Bulletin began with the issue for April, 1911, its topic being the Civil War, and its occasion the fiftieth anniversary of the departure from Cambridge, April 15, 1861, of the first volunteer company to enlist in the service of the War of the Rebellion, an event duly celebrated by the First Volunteers Citizens' Association, April 17, 1911. Marked copies of this issue of the Bulletin were sent, as was stated in advance in the previous annual report, to all the members of the executive committee of the above Association and to the Grand Army Posts of the city. The centenary of the birth of Harriet Beecher Stowe, June 14, 1811–1911, was made the occasion of a reading list for the Bulletin of that month. For the October Bulletin was issued a timely list of books on "Municipal Government," with a sub-heading on "Government by Commission," in connection with the campaign for the adoption of a new city charter. This list was also separately printed and distributed to the various clubs of the city. In January, 1912, the topic for the special list was "China," including magazine references on the Revolution of 1911; in February it was "Books on Charles Dickens," the centenary of whose birth came on the seventh day of that month.

In further observance of the centenary of Dickens's birth the books by and about the novelist were placed on open shelves in the main delivery room for a considerable time before and after the event. Its interest to the library was increased by the temporary loan by Mrs. Anna E. Douglas, of a bust of Dickens, made in 1842 by Henry Dexter, her father, both being residents of Cambridge. Two other contributions to the event were loans, respectively by Mrs. Austin B. Tobey and Mrs. James W. Pierce, both of Cambridge, of a framed portrait of the novelist, which formed the frontispiece of the issue of "Every Saturday" for April 9, 1870, when appeared the first instalment of "The Mystery of Edwin Drood"; and of a similar framed supplement to the same issue of the above magazine, entitled "The Pickwick Reception." All these were placed together in the main delivery room, as part of the centenary exhibit.

GIFTS AND BEQUESTS

The first instalment of the income of the new William Penn Harding fund of $1,000, receipt of which has been mentioned above in the Report of the Trustees, came so late that it was not used for the purchase of new books during the past year. In accordance with the terms of the bequest, the income is to be expended in the purchase of "recent books on science, art, or travel." The Citizens' Subscription fund having been generally drawn upon for the purchase of books under these general topics, the new Harding fund might well be limited to some one of them as might hereafter seem advisable, and to that extent relief be brought to the older fund.

Among the larger donors of books to the library, a full list of whom appears in Appendix IV below, may be mentioned, in order of extent of gift, Stephen E. Young, Mrs. Thomas Wentworth Higginson, Professor John Trowbridge, and the estate of Mrs. Eliza E. Bates.

LOCAL DELIVERY STATIONS

Two discontinuances, involving one change of place, are to be noted. In July, 1911, was closed the local delivery station at the drug store of Frank P. Lombard, at the corner of Rice and Cedar Streets, after a service of about eight years. Soon after the establishment of the North Cambridge branch library in 1906, the circulation of books through this station began to fall off, and all the efforts of its efficient agent to save it have proved unavailing. If it should ever be thought advisable to establish another local delivery station in North Cambridge, its place should be much farther to the north, and at a correspondingly greater distance from the branch library than that of the station discontinued.

After a long and fair trial of the station at the drug store of A. W. Kidder, at the corner of Harvard and Windsor Streets, it was decided that in view of the continued low record a change to some other place in that neighborhood must be made, and the news store of W. A. Pearsons, 273 Broadway, at the corner of Columbia Street, was chosen, to begin service January 1, 1912. The creditable showing of the last three months and the manifest interest of Mr. Pearsons in the work promise well, and it is confidently expected that this new station, as it becomes gradually better known to the people of its neighborhood, will make a record which will compare favorably with those of other localities, in so far as conditions will allow.

Of the local delivery stations the total count for the past year was 3,330, as against 3,845 the previous year, a creditable showing under present conditions. As so often before, the station at Dow's drug store stands first with a circulation of 720; and the lowest in line is Lynch's drug store in the Mt. Auburn district, with a total of only 81. The same necessity for retrenchment has affected the use of the local delivery stations as it has most other parts of the library service.

TRAVELING LIBRARIES

The traveling libraries, as being an important part of the work of the local delivery stations, have suffered for the same reason. Among them the total circulation was 5,579, as against 6,057 for the previous year, again a surprisingly good showing, in view of inadequate replenishment for some years previous. The largest count of 1,143 was made through Nelson's drug store; the next largest at La Pierre's, the figures being 693; and the lowest of 223 at Lynch's. The count at Pearson's new station was 211 for only one quarter, and at Kidder's, for three quarters previous, only 185.

DEPOSIT STATIONS

This department is one of the few that have increases to show for the record of the past year, the total circulation being 1,391, as compared with 1,200, the count of the previous year. The largest number of books, 135, was used by the St. Mary's Catholic Association; second was the Citizens' Trade Association, with 122; and closely together followed Ladder 4, with 120; the Young Women's Christian Association and the Catholic Union with 119 each, the Simplex Electrical Co. with 118, the Prospect Union with 113, and the Young Men's Christian Association with 100 books.

Of new stations the record includes a wide variety of organizations. First in the year was added the Simplex Electrical Co., which has developed unusual enthusiasm under the efficient charge of Mr. Arthur D. Lewis. In the fall was started the deposit of the Sunday Bible School of the North Avenue Congregational Church; later one with "The Hawthornes," a boys' club, and last, one with the St. Mary's Catholic Women's Association. All of these newer organizations have shown a gratifying interest in this work, and with a sufficient increase in the forthcoming appropriation the library will be in a position to maintain that interest, and, it is hoped, to add other deposit stations representing equally wide divergencies of character and of kind.

A special extension of the work of the deposit stations here deserves mention. For several years discarded books and magazines which were not sold for paper stock have been given, as they accumulate, to various institutions of the city. Among these are the City Home, the Children's Diphtheria Hospital, the Anti-Tuberculosis Camp, and formerly the Holy Ghost Hospital, which now has its own subscription list of new magazines, and accordingly does not need contributions from the public library.

SCHOOLS

The work of co-operation with the schools is still limited to the annual visits of the pupils of the highest grade of the grammar schools. These came at the usual time in the fall, extending from October 23 to November 21, a conveniently shorter period than before, owing to a readjustment of the time by which half of a morning session was used by those coming from the nearer schools, instead of a whole afternoon session, as needed by the more remote schools. By this change of plan less time has been taken from the schools, but practically the same course followed as in previous years. The aim has been kept constantly in mind to show the pupils the importance of the public library as a part of their general education, to give them some instruction in the use of the card catalogue and of reference works, and to enable them to see the whole building and the actual working of all its departments.

Of allotments of books to each of twenty schools of the city, public and parochial, the largest number was sent to the Webster School, 610; the next largest to the Harvard School, 469, and the smallest to the Sleeper School, 130. Of the parochial schools, St. Mary's, as being the largest, used 295 books, St. Paul's 168 and St. Peter's 160. Attention should again be called to the new system of counting the circulation through the schools, in accordance with which only the actual number of books sent to each school is counted, and not the circulation from the schools to the homes. The total number of books sent to the schools was 5,793, as against 6,961 the previous year, a decrease of 1,168 easily accountable to lack of a sufficient supply of newer books, as well as of replacements of older books. Less indeed was possible to be done for the duplicate collection of books for school use than for any other department of the service. As a result the collection has steadily undergone deterioration, and the work of co-operation has in so far fallen short of its purpose.

EAST CAMBRIDGE BRANCH LIBRARY

This department is one of the few to maintain its count of circulation, the figures being 66,455, as compared with 65,867, a slight increase of 588. This condition is due to the fact that the East Cambridge branch library fared better, in its allotment of appropriation, than either the central library or the North Cambridge branch library, and as a direct consequence more money in proportion was available for the purchase of new books.

The most important event of the year was the appointment in October, 1911, of a new regular assistant, Miss Catherine A. McAleer, a native and resident of East Cambridge, in aid of the librarian of the branch library, Miss Mary A. Curtis, who had for some years carried on the work of the branch almost alone, with only the occasional help of a substitute assistant. By this addition to the staff the hours of opening were increased from 9 a. m. to 9 p. m., in place of the former broken schedule from 10 a. m. to 1 p. m., and from 3 to 5, and 6.30 to 9 p. m. In December a new telephone service was installed, so that now the East Cambridge branch library has all the advantages in this respect, and also as to number of assistants and hours of opening, of the North Cambridge branch library.

NORTH CAMBRIDGE BRANCH LIBRARY

The pressure of work upon the librarian and her assistants has steadily increased during the past year. Another full assistant is imperatively required during the next year, in order to keep pace with the demands made upon the service. In one respect it was fortunate that the circulation of books was less than that of the previous year, the totals being respectively 77,933 and 81,077, and the loss 3,144, for if the rapid increase of previous years had been maintained the staff could not have adequately performed the extra labor involved. In May, 1911, the efficient substitute assistant, Mr. William J. Sullivan, resigned, and to his place was appointed, in June, Miss Mary A. Cotter, a native of Cambridge and a pupil of its schools, whose work has been faithfully and satisfactorily performed throughout the year.

The first repairs of any extent since the opening of the branch library in 1906 were made during the winter. By the settling of the timber supports of the newer portion of the building the floor had to be relaid for a considerable width. Already the ceiling and walls are showing wear, and within a short time will need renovation. There is need, also, of additional lighting for the book shelves, which has become more evident since the extension of shelving made the year previous for both the adult and juvenile rooms.

STAFF

The membership of the staff has remained practically unchanged. After an absence of five months, by reason of illness, Miss Etta L. Russell resumed, in April, 1911, the duties of her position as assistant librarian, and by her return the library service was greatly benefited. About the same time, and after a longer leave of absence, Miss Katherine A. Linehan came back to her place as Sunday assistant in the children's room. This she resigned in January, as well as her position as substitute assistant, and to her Sunday work was appointed Miss Margaret A. Mulcare, whose regular duties began with the first Sunday in February, and whose fitness for the work has been abundantly shown. The changes at the two branch libraries have been noted in their respective places above.

THE LIBRARIAN

An informal talk on "The Present Conditions and Needs of the Public Library" was given by the librarian on Sunday noon of November 19, before the men's club of the Shepherd Memorial Church. In February he was appointed a member of the committee on the library of the New England Historic Genealogical Society for the current year. To the January issue of the Proceedings of the above society he contributed, by request, an extended sketch of the life and public service of the late William Taggard Piper, from which the following paragraph on his peculiarly intimate association with this library may serve as a complement to the tribute of the trustees in their report above:

> "To his work for the library Mr. Piper gave more time, thought, and energy than any other trustee. Thoroughly congenial to one of his scholarly tastes, his duties as trustee, especially as chairman of the committee on books, became genuine pleasures. As elsewhere and

> always, he was in close touch with all details of administration and service, and much of this matter he had at call, with or without the aid of an omnipresent notebook, which he kept by him for emergencies which might arise in any of his manifold interests. Generally twice a week, and some weeks oftener, he would come to the library, nearly always bringing back a parcel of books just read, and again taking out a selection for himself and his family. Occasionally he would stop off on his way back from Boston, with the latest information about certain new books which he had just seen there, and which the library might not yet have received, or had not been able to buy, and thereupon would generally ensue eager discussions of books new and old, comments on current events, and random talks on any other topic related or, as often, unrelated. As the weeks and years went by, the writer came more and more to look forward to these visits of Mr. Piper, and to count them among the rare pleasures of his library experience."

With the late Colonel Higginson also it was the librarian's good fortune and privilege to have close associations, and to be able to see him in the intimacy of his own home, and attendance at the annual receptions on his birthday, December 22, will always remain among the librarian's cherished recollections.

In his administration of the affairs of the library it has been the constant aim and endeavor of the librarian to serve the needs and fulfill the requests of all classes of readers, so far as his ability and his opportunities would allow, and to make the library popular in the best sense of the word. In all this work he begs to acknowledge the co-operation of both the board of trustees and the members of the library staff.

Respectfully submitted,

CLARENCE W. AYER,

Librarian.

APPENDIX I

STATISTICS

ADDITIONS OF BOOKS

Total number of volumes in the library (including branches)	95,534

Central Library

Volumes in central library	85,385
Volumes added (3,199 new, 1,201 replacements)	4,400
Volumes recovered	102
Volumes condemned	1,351
Volumes destroyed on account of contagious diseases	12
Volumes missing	191

East Cambridge Branch

Volumes in East Cambridge branch	4,297
Volumes added (622 new, 380 replacements)	1,002
Volumes condemned	320
Volumes missing	24

North Cambridge Branch

Volumes in North Cambridge branch	5,852
Volumes added (722 new, 117 replacements)	839
Volumes condemned	201
Volumes destroyed on account of contagious diseases	5
Volumes missing	7

ADDITIONS BY CLASSES

FUNDS, GIFTS, AND EXCHANGES: CENTRAL LIBRARY

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Fiction	Totals
Citizens' Subscription Fund	2		2	20			4	1	8	26	15		78
Cummings Fund	1							1		8	5		15
Fay Fund						1		1		8	1		11
William E. Saunders Fund										34	46		80
James A. Woolson Fund								58	1		12		71
Edward H. Whorf Fund				4						23		1	28
Houghton Memorial Gift			2					2	1	3	10		18
Gifts (Misc.)	66	5	12	81		27	23	23	10	34	30	6	317
Exchange			2										2
Totals	69	5	18	105		28	27	86	20	136	119	7	620

ADDITIONS BY CLASSES—Concluded

CITY APPROPRIATION

(1) CENTRAL LIBRARY

CLASSES	General	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Fiction	Totals
Adult	182	38	175	282	7	74	165	81	130	211	130	1,034	2,509
Juvenile	24		15	24		36	29	16	39	106	24	389	702
Schools			1	34		20	16		39	106	34	130	380
Traveling Libraries	1	2		15	1	3	6	7	6	20		128	189
Totals	207	40	191	355	8	133	216	104	214	443	188	1,681	3,780

(2) EAST CAMBRIDGE BRANCH LIBRARY

Adult	6	3	8	33		5	28	17	14	48	18	251	431
Juvenile	24		5	10		18	19	13	6	59	6	411	571

(3) NORTH CAMBRIDGE BRANCH LIBRARY

Adult	9	5	7	32	1	5	24	22	19	34	22	319	499
Juvenile	24		3	8		10	17	7	6	40	2	223	340

CIRCULATION: SPECIAL DETAILS

(1) CENTRAL LIBRARY

(A) ADULT		(B) JUVENILE	
Circulation	118,568		24,384
Average per day	390		80
Largest issue (April 11, 1911)	675	(December 4, 1911)	176
Smallest issue (August 18, 1911)	116	(July 28, 1911)	15
Books from stack used for reference	8,444		

(2) BRANCH LIBRARIES

EAST CAMBRIDGE		NORTH CAMBRIDGE	
Circulation	66,455		77,933
Average per day	218		255
Largest issue (Oct. 30, 1911)	395	(Feb. 24, 1912)	498
Smallest issue (Aug. 18, 1911)	41	(July 6, 1911)	81

CIRCULATION BY CLASSES

(1) CENTRAL LIBRARY

CLASSES	General Works	Philosophy	Religion	Sociology	Philology	Science	Useful Arts	Fine Arts	Literature	History and Description	Biography	Magazines	Fiction	Total
Adult........	1,303	1,924	1,690	5,132	478	2,088	3,996	5,526	10,009	9,310	4,606	6,455	66,051	118,568
Juvenile	6	9	381	507	14	506	364	527	659	2,871	760	371	17,409	24,384
Total	1,309	1,933	2,071	5,639	492	2,594	4,360	6,053	10,668	12,181	5,366	6,826	83,460	142,952

(2) EAST CAMBRIDGE BRANCH LIBRARY

Adult........	302	125	402	822	88	1,175	1,583	587	1,778	3,127	1,367	2,158	20,298	33,812
Juvenile	105	13	184	804	....	905	848	527	1,516	3,859	407	541	22,934	32,643
Total	407	138	586	1,626	88	2,080	2,431	1,114	3,294	6,986	1,774	2,699	43,232	66,455

(3) NORTH CAMBRIDGE BRANCH LIBRARY

Adult........	14	185	345	595	62	548	749	689	1,226	1,422	721	11,264	38,337	56,157
Juvenile	6	3	160	594	0	485	419	391	593	2,265	279	2,345	14,236	21,776
Total	20	188	505	1,189	62	1,033	1,168	1,080	1,819	3,687	1,000	13,609	52,573	77,933

(4) LOCAL AND DEPOSIT STATIONS
(Including Traveling Libraries)

STATIONS	Conley	Dow	E. Camb. Br.	Kidder	Laing	Lane	La Pierre	Lombard	Lynch	Murphy	Nelson	N. Camb. Br.	Pearsons	Social Union	Y. W. C. A.	Deposit Stations	Total
Local and Deposit	395	720	31	80	182	492	392	23	81	239	359	298	38	....	....	1,391	4,721
Traveling Libraries	557	674	458	185	374	317	693	7	223	337	1,143	....	211	203	197	.....	5,579
Total	952	1,394	489	265	556	809	1,085	30	304	576	1,502	298	249	203	197	1,391	10,300

(5) SCHOOLS

Ellis	Fletcher	Harvard	Houghton	Kelley	Morse	Notre Dame	Peabody	Putnam	Roberts	Russell	St. Mary	St. Paul	St. Peter	Shepard	Sleeper	Taylor	Thorndike	Webster	Wellington	Vacation	Total
286	220	469	312	230	294	200	250	392	225	271	295	168	160	199	130	224	296	610	392	170	5,793

(6) COMBINED TOTAL CIRCULATION................. 303,433

APPENDIX II

CITY APPROPRIATION

CENTRAL LIBRARY

Salaries

Appropriation (by transfer decreased $30.00 from $13,504)	$13,474 00
Expended	13,473 81
Amount unexpended	$0 19

General Expenses

Appropriation (by transfer increased $30.00 from $9,773)	$9,803 00

EXPENDITURES

Binding	$1,016 36	
Books, new	2,744 65	
Books for schools, new	58 10	
Books for traveling libraries, new	119 86	
Books replaced (total)	708 97	
Periodicals	898 97	
Bulletin	477 49	
Fuel	619 30	
Furniture	129 94	
Incidentals	413 67	
Insurance	198 00	
Lighting (alterations $79.80)	649 98	
Local stations	872 00	
Printing, etc.	619 17	
Repairs	276 42	
		9,802 88
Amount unexpended		$0 12

EAST CAMBRIDGE BRANCH LIBRARY

Salaries

Appropriation (by transfer decreased $40.00 from $1,307)	$1,267 00
Expended	1,266 95
Amount unexpended	$0 05

General Expenses

Appropriation	$1,560 00

EXPENDITURES

Binding	$143 55	
Books, new	692 84	
Books, replaced	272 85	
Periodicals	131 40	
Amounts carried forward	$1,240 64	$1,560 00

EAST CAMBRIDGE BRANCH LIBRARY, GENERAL EXPENSES—Concluded

Amounts brought forward	$1,240 64	$1,560 00
Furniture	15 85	
Incidentals	121 40	
Lighting	83 76	
Printing, etc.	86 67	
Repairs	11 53	
		1,559 85
Amount unexpended		$0 15

NORTH CAMBRIDGE BRANCH LIBRARY

Salaries

Appropriation (by transfer increased $40.00 from $1,595)	$1,635 00
Expended	1,634 85
Amount unexpended	$0 15

General Expenses

Appropriation	$1,650 00

EXPENDITURES

Binding	$140 20	
Books, new	767 26	
Books, replaced	82 48	
Periodicals	204 90	
Furniture	16 19	
Incidentals	75 64	
Lighting	183 61	
Printing, etc.	146 87	
Repairs	32 56	
		1,649 71
Amount unexpended		$0 29

APPENDIX III

SUMMARY OF THE REPORT OF THE TREASURER

From March 26, 1911, to March 26, 1912

(1) FUNDS

Citizens' Subscription Fund

Balance, March 26, 1911		$1 80
Interest on bonds		220 00
Interest on daily balance		35 91
Rebate on premium for Treasurer's bond		8 00
Cash gift credited to this fund		20 00
Sale of paper stock, etc.		16 13
		$301 84

EXPENDITURES

American Technical Society	$11 50	
T. H. Castor & Co.	12 53	
H. H. Chakmakjian	4 50	
W. B. Clarke Co.	5 00	
Cunningham Bros.	10 62	
R. W. Gordon	6 00	
Harvard Trust Co.	5 00	
Little, Brown & Co.	40 00	
George E. Littlefield	9 00	
J. H. H. McNamee Company	2 95	
Old Corner Book Store	78 80	
Prince Society	20 00	
Schoenhof Book Co.	8 80	
Smith & McCance	48 65	
Society for Americana, Inc.	7 50	
John C. Winston Co.	22 80	
		293 65
Balance on hand, March 26, 1912		$8 19

Cummings Fund

Balance, March 26, 1911		$7 65
Interest on bond		70 00
		$77 65

EXPENDITURES

Old Corner Book Store	$25 40	
Ritter & Flebbe	8 05	
Smith & McCance	10 13	
		43 58
Balance on hand, March 26, 1912		$34 07

Fay Fund

Balance, March 26, 1911		$15 07
Interest on bond		35 00
		$50 07

EXPENDITURES

American Art Annual	$5 00	
Old Corner Book Store	9 00	
P. Roden	15 00	
Smith & McCance	9 12	
		38 12
Balance on hand, March 26, 1912		$11 95

William Penn Harding Fund

(In charge of the City Treasurer, according to the terms of the will.)

Interest on savings bank deposit	$20 00
Balance on hand, March 26, 1912	$20 00

William E. Saunders Fund

Balance, March 26, 1911	$3 60
Interest on bonds	245 00
Interest on savings bank deposit addition to principal	17 60
	$266 20

EXPENDITURES

Essex Institute	$ 2 00		
R. W. Gordon	16 00		
George E. Littlefield	150 87		
J. H. H. McNamee Company	28 45		
Massachusetts Historical Society	8 00		
Massachusetts Society of Mayflower Descendants	2 00		
Medford Historical Society	1 00		
New England Historic Genealogical Society	9 00		
Old Corner Book Store	16 75		
Charles H. Pope	6 00		
Charles W. Sinnett	2 00		
Smith & McCance	3 06		
		$245 13	
Interest on savings bank addition to principal		17 60	
			262 73
Balance on hand, March 26, 1912			$3 47

Edward H. Whorf Fund

Balance, March 26, 1911		$349 69
Interest on bonds		120 00
		$469 69

EXPENDITURES

Clara M. Chick	$41 40	
R. W. Gordon	1 00	
Library Bureau	6 00	
Katharine A. Linehan	4 30	
J. H. H. McNamee Company	38 03	
Old Corner Book Store	44 55	
Smith & McCance	11 89	
Wm. Sohmer, comptroller state of New York	28 00	
Ella S. Wood	69 00	
		244 17
Balance on hand, March 26, 1912		$225 52

James A. Woolson Fund

Balance, March 26, 1911		$22 63
Interest on bond		175 00
		$197 63

EXPENDITURES

Oliver Ditson Company	$51 15	
Eastern Library Supply Co.	4 50	
J. H. H. McNamee Company	16 25	
Old Corner Book Store	51 90	
Smith & McCance	2 76	
		126 56
Balance on hand, March 26, 1912		$71 07

The principals of the above funds are as follows:

Citizens' Subscription Fund	$5,500 00
Cummings Fund	2,000 00
Fay Fund	1,000 00
William Penn Harding Fund	1,000 00
William E. Saunders Fund	7,483 38
Edward H. Whorf Fund	3,000 00
James A. Woolson Fund	5,000 00
	$24,983 38

(2) FINES

Fines and other moneys received and deposited with the City Treasurer	$898 66

JOSEPH L. P. ST. COEUR,
Treasurer.

APPENDIX IV

GIFTS

(A) BOOKS

	Volumes
Adams, I. William, Cold Spring-on-the-Hudson, N. Y.	1
American Association for Labor Legislation, New York, N. Y.	2
Ayer, Clarence Walter	1
Bates, Mrs. Eliza E., Estate of	54
Baxter, Charles Newcomb, Boston, Mass.	1
Beer, William, New Orleans, La.	1
Blake, Francis, Weston, Mass.	1
Boston Public Library	1
Boston Transit Commission, Boston, Mass.	1
Bowen, Maria	1
Brown University, Providence, R. I.	1
Bunker Hill Monument Association, Boston, Mass.	1
Cambridge, City of	1
Cambridge Charter Association	2
Cambridge Historical Association	2
Carnegie Foundation for Advancement of Teaching, New York, N. Y.	1
Chamberlain, Mrs. William E.	15
Chicago and North Western Railway Company, Chicago, Ill.	1
Clarke, Dr. Augustus P.	1
Collier, Edward P.	1
Connecticut Bureau of Labor, Hartford, Conn.	2
Crosby, Mrs. William Sumner, Brookline, Mass.	1
Daughters of American Revolution. Hannah Winthrop Chapter	7
Davis, Andrew McFarland	2
Davis, Professor William M.	2
Des Moines Historical Department, Des Moines, Iowa	1
Dixon, Joseph, Crucible Co., Jersey City, N. J.	1
Dutton, E. P., & Co., New York, N. Y.	2
First Church of Christ, Scientist, Cambridge	5
Foster, Francis Apthorp, Boston, Mass.	1
Gifford, William Logan Rodman, St. Louis, Mo.	1
Graves, Anson Rogers, Coronado, Calif.	1
Hart, Albert Bushnell	8
Harvard University	24
Hayward, Maude L.	1
Higginson, Thomas Wentworth	1
Higginson, Mrs. Thomas Wentworth	51
Howe, Archibald M.	11
Hutchinson, John B.	2
Johnson, Lewis Jerome	1
Kendall, Edward	1

GIFTS (BOOKS)—Continued

Lapham, Jennie	3
Lewis, John B., Boston, Mass.	1
Lusk, William Thompson, Children of, New York, N. Y.	1
McBrayne, David, Ltd., Glasgow, Scotland	1
Marsden, Victor E., St. Petersburg, Russia	1
Massachusetts, Commonwealth of	21
National Association for the Advancement of Colored People, Boston, Mass.	1
National Lumber Manufacturers' Association, Tacoma, Wash.	1
National Irrigation Congress, Salt Lake City, Utah	1
New Bedford Free Public Library, New Bedford, Mass.	1
New York State Library, Albany, N. Y.	1
New Historical Society, New York, N. Y.	1
Norton, Margaret	1
Norton, Sara	1
Open Air Crusaders, Chicago, Ill.	1
Phipps, Henry, Institute, Philadelphia, Pa.	4
Porto Rico, Government of, San Juan, P. R.	1
Reed, Thomas Brackett, Memorial Association, Portland, Me.	1
Rogers, Mary	2
Russell, Etta Lois	1
Seattle Public Library, Seattle, Wash.	1
Singer, Berthold, Chicago, Ill.	1
Smith, Dr. R. K.	1
Smithsonian Institution, Washington, D. C.	3
Thayer, William Roscoe	3
Theosophical Society, American Section of the	1
Thompson, Ernest W.	1
Tipton, D. M., Wichita, Kan.	1
Tobey, Mrs. Austin B.	22
Trowbridge, Professor John	42
United States. Department of Commerce and Labor	2
Interstate Commerce Commission	2
Library of Congress	7
Navy Department	1
Superintendent of Public Documents	2
Treasury Department	1
United States Brewers' Association, New York, N. Y.	2
Vielé, Mrs. Herman K.	4
Wisconsin State Historical Society, Madison, Wis.	2
Workmen's Compensation Service and Information Bureau, New York, N. Y.	1
Yale University, New Haven, Conn.	1
Young, Stephen	153
Young Women's Christian Association	2

GIFTS—Continued

(B) BULLETINS OR SIMILAR PUBLICATIONS

Boston Book Company.
Boston Public Library.
Brockton Public Library.
Brookline Public Library.
Brooklyn (N. Y.) Public Library.

California State Library, Sacramento.
Carnegie Library, Pittsburgh, Pa.
Cary Memorial Library, Lexington.
Chicago (Ill.) Public Library.
Cincinnati (O.) Public Library.
Cleveland (O.) Public Library.

District of Columbia Public Library, Washington.

Fitchburg Public Library.
Fletcher Free Library, Burlington, Vt.

General Theological Library, Boston.
Greenfield Public Library.

Hartford (Conn.) Public Library.
Haverhill Public Library.
Helena (Mont.) Public Library.
Hyde Park Public Library.

Indianapolis (Ind.) Public Library

Lynn Public Library.

Malden Public Library.
Massachusetts College of Pharmacy.
Michigan State Library.
Milton Public Library.

New Bedford Public Library.
New York (N. Y.) Public Library.
New York School of Philanthropy.
Newton Free Library.

Osterhout Free Library, Wilkes-Barré, Pa.

Portland (Ore.) Library Association.
Pratt Institute Free Library, Brooklyn, N. Y.
Providence (R. I.) Public Library.

Rockford (Ill.) Public Library.
Rosenberg Library, Galveston, Texas.

St. Louis (Mo.) Mercantile Library Association.
St. Louis (Mo.) Public Library.
Salem Public Library.
San Francisco (Cal.) Public Library.
Scranton (Pa.) Public Library.
Silas Bronson Library, Waterbury, Conn.
Somerville Public Library.
Springfield City Library Association.

Toronto (Canada) Public Library.
Trenton (N. J.) Public Library.

Waltham Public Library.
Wilmington (Del.) Institute Library.
Winchester Public Library.
Wisconsin Free Library Commission, Madison, Wis.
Worcester Public Library.

(C) PERIODICALS

Ambition.
Among the Deep Sea Fishers.

Berea Quarterly.
Boston College Stylus.
Bostonia.
Brown Alumni Monthly.

Chicago Banker.
Christian Science Journal.
Christian Science Monitor.
Christian Science Sentinel.
Coming Country.
Concrete.
Congressional Record.
Cook's American Traveler's Gazette.

Eastern and Western Review.
Emerson College Magazine.
Episcopal Recorder.

Good Government.
Gregg Writer.
Grinnell Review.

Harvard University Gazette.
Helping Hand.
Herald of the Cross.
Holy Cross Purple.

Massachusetts Labor Bulletin.
Museum of Comparative Zoology, Bulletin and Memoirs.
Museum of Fine Arts, Boston. Bulletins.
Museum News.

New Church League Journal.
New Church Review.

Outlook for the Blind.

GIFTS (PERIODICALS)—Concluded

Peabody Museum. Archaeological and Ethnological Papers and Memoirs.
Pitman's Journal.
Protectionist.
Public.

Reminder.

School.
Spirit of Missions.
Sunset.

Temperance Cause.
Theosophical Path.

Union Signal.
United States. Bureau of Labor. Bulletin.
  Patent Office. Official Gazette.
  Public Documents. Catalogue.

Wort, Das.

Young Crusader.

Library, college, and school reports and miscellaneous pamphlets have been acknowledged as received and are not included in the above list.

REPORT OF THE CITY ENGINEER

Office of the City Engineer,
Cambridge, April 1, 1912.

To the Honorable, the City Council:—

The City Engineer hereby submits his annual report, being the forty-fifth of the department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending April 1, 1912.

A brief summary of the work of the Engineering Department for the year is as follows:—

FOR HIGHWAY DEPARTMENT

Number of surveys made	5
Number of street lines given	42
Number of grades given	111
Number of streets on which paving, curb, etc., was measured	118
Number of assessments prepared	374
Number of plans and profiles prepared	10
Number of cars of street department material measured	255

FOR SEWER DEPARTMENT

Number of surveys made	43
Number of lines given	175
Number of grades given	210
Number of sewers measured	30
Number of assessments prepared	71
Number of sewers assessed	12
Number of plans or profiles prepared	17

FOR WATER WORKS

Number of surveys	87
Number of lines given	12
Number of grades given	52
Number of plans and profiles made	25

FOR LAW DEPARTMENT

Number of surveys	30
Number of plans (not filed)	8
Number of photographic negatives	31

FOR PRIVATE PARTIES

Number of street lines given	75
Number of street grades given	25

MISCELLANEOUS WORK

Number of surveys	26
Number of houses measured	314
Number of plans or profiles prepared, tracings, etc.	154

FOR PARK DEPARTMENT

Number of surveys	6
Number of lines given	3
Number of grades given	32

There are now on file in the office 11,392 plans.

FINANCIAL.

ENGINEERING DEPARTMENT

Salaries

Appropriation	$9,000 00
Expended	8,480 97
Balance	$519 03

Other Expenses

Appropriation	$713 79
Expended	713 79
Balance	0 00

In addition to the above amount charged to salaries of assistants there have been expended and charged to departments as follows:—

To Assessors' plans	$196 76
To Sewer Department	1,392 49
To Water Works Department	1,396 25
To salary of City Engineer	3,000 00
Salaries of Assistants	5,480 97
Total	$11,466 47

Classification of salaries of Assistants:

Accounts	$469 50
Assssors' Plans—Surveys, measurements and work on block plans for Assessors' Department	393 85
Accidents—Surveys, plans and court attendance for Law Department	79 38
Bridges—Surveys, plans, examinations and estimates	32 40
Cemetery—Surveys and plans, setting out lots, etc., at Cambridge Cemetery	6 00
General surveys and levels—Surveys and work on section and city plans and bench leveling	165 75
Highways—Surveys, levels, plans, estimates, measurements and assessments for Highway De-	

partment, also lines and grades for private parties	1,270 24
Location plans for electric conduits, gas, water pipes, etc.	55 20
Miscellaneous—Unclassified work for committees and departments, vacations and sickness	713 98
Parks—Surveys, lines, grades, plans and estimates for Park Department	403 02
Sewers—Lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department	2,308 30
Sidewalks—Estimates, measurements, titles and assessments for Highway Department	129 65
Water Works—Surveys, lines, grades, plans and estimates for Water Works Department	2,439 20
	$8,466 47

STREETS

The following named streets have been laid out and accepted during the year.

STREETS LAID OUT AND ACCEPTED, APRIL 1, 1911, TO MARCH 31, 1912

LOCATION OF STREET						PLAN	
Street	From	To	Length in feet	Width in feet	Date of Acceptance	Made by	Date
Anglim	Waverly	Reardon	380	Variable	Dec. 4, 1911	City Engineer	May 4, 1911
Commercial Ave.	Binney	Lechmere Canal	1,537	60	June 2, 1911	City Engineer	Jan. 24, 1906
Franklin	Sidney	Blanche	147.7	40	June 22, 1911	E. F. Bowker	May 20, 1907
Franklin	Blanche	Landsdowne	281.7	40	June 22, 1911	E. F. Bowker	Feb. 10, 1911
Pearl Terrace	Pearl	Easterly	360	30	Sept. 14, 1911	W. A. Mason & Son	July, 1911
Rindge Field	Hollis	Rindge Ave.	475	32.5	May 5, 1911	W. A. Mason & Son	June, 1910
Warwick Park	Pemberton	Easterly	180	35	June 23, 1911	W. A. Mason & Son	May 25, 1911
Washburn Ave.		Somerville Line	550 135	30 40	Oct. 20, 1911	W. A. Mason & Son	June, 1910

4046.4 feet=0.766 miles
Length of accepted streets, March 31, 1911................103.137

103.903
Length of accepted streets discontinued 0.291

Length of accepted streets, March 31, 1912.................103.612 miles
Mt. Auburn street widened on south side at Watertown Branch Railroad, July 28, 1911.
Amherst street discontinued Massachusetts avenue to Ames street, 1,535 feet, Jan. 1, 1912.

BRIDGES

WELLINGTON STREET BRIDGE OVER WELLINGTON BROOK

This bridge is and has been for some time in very poor condition. The stone abutments should be largely relaid and the wooden structure entirely rebuilt this season.

HURON AVENUE PIPE LINE BRIDGE

The iron work of this bridge should be thoroughly cleaned and painted and minor repair made of the surface timber.

WALDEN STREET FITCHBURG RAILROAD BRIDGE

This bridge will need some renewals of a number of the steel parts which have become weakened by corrosion; also, some of the protective covers should be replaced, and the bridge should be cleaned and painted the coming season.

CAMBRIDGE BRIDGE, FIRST STREET UNDERPASS

The exposed portions of the steel work of this bridge are rusting considerably and should be scraped and painted at once. The rest of the bridges will need only minor repairs such as can be made by the repair gang.

PAVEMENT STATISTICS

Pavements in the City may be classified as follows:—

To March 31, 1912.

Kind	Miles laid in 1911	Miles to date	Area laid in 1911 sq. yds.	Area to date sq. yds.
Granite Blocks	0.544	11.297	12,790	274,128
Vitrified Bricks	0.143	4.086	2,790	91,953
Hassam	....	0.840	....	22,329
Asphalt	....	0.169	....	5,315
Bitulithic	0.961	4.780	26,024	122,588
Tar Macadam	2.758	3.269	45,114	60,516
Macadam	0.306	79.148	4,120	1,103,953
Wood Block, Harvard Bridge		0.185		5,512
Granite Block, Camb. Bridge		0.161		4,044
Granite Block, Chas. River Dam		0.106		5,469

CAMBRIDGE MAIN STREET SUBWAY

This subway, begun in 1909, is now practically completed and was opened for operation on Saturday, March 23, 1911.

The special sewers and connections rendered necessary by the construction of the subway are now all completed and the same are in operation.

HIGHWAY IMPROVEMENT COMMISSION REPORT

The Highway Improvement Commission referred to in the last annual report completed its work and on June 26, 1911, made its report to the Mayor and City Council. This report has since been printed. It is hoped that it will prove of value and interest to the citizens of Cambridge and that its recommendations may be adopted and carried out.

The commission recommends that the sum of approximately $100,000.00 be expended annually for new permanent pavements and that approximately $50,000.00 be expended annually for renewals and repairs on old pavements for a period of at least ten years.

The gross amount of expenditure recommended for this period is $1,654,400.00.

SEWERS—GENERAL SEWER CONSTRUCTION

The total length of sewer conduit constructed during the year was 1.997 miles, making the total mileage in the city 147.306 miles.

The length of streets newly sewered during the year has been 0.783 miles, making the total mileage of streets sewered with one or more conduits 118.254 miles.

The total cost of sewer construction to date, including $1,936.74 paid by the Street Department for catch basins constructed, has been $2,249,279.55.

Sewers have been built upon streets, as shown by the annexed schedule.

CATCH BASINS

Forty-two catch basins have been built during the year at a total cost of $4,017.19. Of this amount $1,936.74 has been paid by the Street Department.

Sixty-two catch basins have been repaired at a cost of $1,387.82; 3,676 loads of material have been removed from 1,466 catch basins

SEWER CONSTRUCTED BETWEEN APRIL 1, 1911, and APRIL 1, 1912.

Street	From	To	Material	Size in Inches			Number of			Average depth	Length of Feet			Cost		Time when work was	
				Combined	Storm	Sanitary	Man-holes	Lamp holes	Inlets		Combined	Storm	Sanitary	Per foot	Total	Begun	Finished
Alberta Terrace	Cedar St.	Massachusetts Av.	Akron pipe	....	10	8	1	2	28	10.25	....	219.50	222.60	$2.56	$570.31	Dec. 9, 1911	Dec. 20, 191
Antrim St.	North of Broadway	Broadway	" "	....	....	8	1	....	2	10.25	....	....	65.90	3.06	3,090.29	July 5, 1911	....
†Broadway	Antrim St.	Fayette St.	" "	....	....	8	....	1	18	11.00	....	....	241.20	....	....	....	....
"	"	Inman St.	" "	....	....	8	....	1	14	10.25	....	....	208.90	....	....	....	....
"	Prospect St.	"	" "	....	....	8	2	1	33	10.00	....	....	494.50	....	....	....	Aug. 5, 1911
Columbia St.	North of Broadway	Southerly	" "	10	....	....	1	....	7	5.50	72.1	....	....	1.40	100.99	Oct. 9, 1911	Oct. 10, 1911
"	Anstin St.	Main St.	" "	....	....	8	....	1	11	9.75	....	....	184.00	1.37	251.54	Oct. 23. 1911	Oct. 28, 1911
Commercial Av.	Binney St.	Sontherly	" "	....	10	....	....	....	6	6.50	....	178.00	....	....	....	July 3, 1911	July 13, 1911
§Erie St.	Brookline St.	Pearl St.	Concrete & Akron pipe	....	30x40	12	3	....	73	12.25	....	525.45	519.95	5.98	7,392.20	Oct. 27, 1911	Jan. 3, 1912
Franklin St.	Landsdowne St.	Blanche St.	Akron pipe	....	10	8	....	2	20	9.25		196.90	198.70	5.41	1,074.92	May 11, 1911	May 26, 1911
Fresh Pond Lane	Wyeth Terrace	Southerly	" "	10	....	....	....	1	10	9.00	232.90	....	....	1.88	438.88	May 22, 1911	May 31, 1911
Garden St.	Walden St.	North of Winslow St.	" "	....	....	10 & 8	3	....	38	9.00	....	....	663.50	2.84	1,884.08	Sept. 22, 1911	Oct. 24, 1911
Granville Rd.	Vassal Lane	Huron Av.	" "	12 & 10	....	....	1	1	32	9.00	429.00	....	....	1.68	723.39	Sept. 25, 1911	Oct. 7, 1911
*Hamilton St.	Pearl St.	Magazine St.	" "	....	....	12	1	1	32	9.25	....	....	465.30	....	....	Dec. 20, 1911	April 4, 1912
Henry St.	East of Brookline St.	Westerly	" "	10	....	....	....	1	12	8.50	154.90	....	....	1.98	307.03	Aug. 28, 1911	Sept. 2, 1911
Hollis Park	Hollis St.	Northerly	" "	....	....	8	....	1	6	9.00	....	....	174.40	1.12	194.83	Sept. 21, 1911	Sept. 25, 1911
Kirkland St.	Myrtle Av.	Easterly	" "	....	10	8	....	2	16	9.25	....	138.60	148.00	2.68	396.65	Sept. 15, 1911	Sept. 21, 1911
Landsdowne St.	Pilgrim St.	North of Franklin St.	Concrete & Akron pipe	....	24, 20, 12	8	....	2	76	11.00	....	620.70	618.30	6.70	4,157.21	April 1, 1911	May 13, 11
*Larch Rd.	Wyeth Ter.	Southerly	Akron pipe	12 & 10	....	....	2		31	9.00	410.60	....	....	2.73	1,121.34	May 31, 1911	July 15, 1911
*Lopez St.	East of Pearl St.	Pearl St.	" "	12	....	....	1	....	2	7.00	92.90	....	....	1.71	158.81	Dec. 6, 1911	Dec. 9, 1911
**Pearl St.	Erie St.	Hamilton St.	" "	....	....	8	1	....	8	10.50	....	....	245.35	....	....	Dec. 12, 1911	Jan. 5, 1912
Private Land	Bismarck St.	Tannery Brook	" "	....	8	....	....	....	....	3.00	....	107.00	....	....	....	Nov. 22, 1911	Nov. 24, 1911
Sherman St.	Walden St.	Huron Av.	" "	....	....	10 &8	4	....	45	11.25	....	....	935.00	3.43	3,207.12	May 26, 1911	Sept. 9, 1911
Sixth St.	Binney St.	Northerly	" "	....	10	....	....	....	2	6.75	....	107.00	....	....	....	Nov. 15, 1911	Nov. 21, 1911
Thorndike St.	Ninth St.	Westerly	" "	10	....	....	....	1	14	9.25	202.20	....	....	2.06	416.81	June 8, 1911	June 16, 1911
‡Vassar St.	East of Mass. Av.	Easterly	" "		10 & 12	8	2	1	66	10.50	....	454.60	454.60	7.84	3,565.92	June 19, 1911	Sept. 15, 1911
Walden St.	Sherman St.	Garden St.	" "	....	....	10	2	....	25	11.75	....	....	409.00	3.58	1,464.12	Aug. 28, 1911	Sept. 30, 1911
*Winslow St.	Oliver St.	Southwesterly to end	" "	....	....	8	1	1	7	8.25	....	....	95.20	2.22	211.61	Oct. 18, 1911	Oct. 24, 1911
Wyeth Ter.	East of Larch Rd.	Fresh Pond Lane	Concrete & Akron pipe	18x20 & 12	....	....	2	....	13	10.00	465.90	....	....	2.83	1,320.56	May 1, 1911	May 31, 1911

§Length includes 405 feet of old sewer removed and relaid with donhle sewers. Cost includes costs of Hamilton and Pearl Streets.

*Old lamphole removed.

‡Two old lampholes removed.

†Cost includes costs of Antrim Street and all of Broadway.

**For cost see Erie Street.

during the year at a cost of $6,344.19; 15 persons have been licensed as drain layers during the year.

Permits have been granted for sewer repairs or connections as follows:

For repairs	99
For connection to combined sewers	291
For connection to sanitary sewers	56
For connection to storm sewers	17

A total of 364 permits for connections and 99 for repairs.

Classified Schedule of Sewers as Built to April 1, 1912

Brick	48.751	miles
Concrete	0.810	“
Pipe	91.595	“
Wood	2.837	“
Miscellaneous	3.313	“
Total	147.306	“

SEWERS CONSTRUCTION—SEPARATE SYSTEM

The following sewers were constructed during the year and the cost charged to the appropriation of “Separate System.”

Sherman street, Walden street to Huron avenue	935	feet
Vassar street, near Massachusetts avenue, easterly	454.6	“
Broadway, from Prospect street to Fayette street	944.6	“
Antrim street, from Broadway, northerly	65.9	“
Walden street, from Sherman street to Garden street	409.0	“
Garden street, from Walden street to north of Winslow street	663.5	“
Winslow street, from Oliver street, southwesterly	95.2	“
Columbia street, from Austin street to Main street	184.0	“
Erie street, from Pearl street to Brookline street	519.95	“
Hamilton street, from Pearl street, westerly	111.2	“
Pearl street, from Erie street to Hamilton street	245.35	“

The total expenditure made from this appropriation for the construction of the above sewers was $21,148.79.

ALEWIFE BROOK IMPROVEMENT

The more important parts of the work were done the previous years. About $5,000.00 has been expended by the Metropolitan Park Commission for fencing, excavating drainage channels and miscellaneous work. A small amount of work to complete the improvement still remains to be done. About $132,000.00 has been expended to date from the total appropriation of $140,000.00.

RECONSTRUCTION OF SUNDRY SEWERS

THORNDIKE STREET

The sewer in Thorndike street between Seventh and Ninth streets broke down in several places in November, 1911, and was found to be in unsafe condition. The old sewer was built of wood and stone. This was renewed and a new sewer built 24 in. x 32 in. of brick and concrete and 320 feet long, being completed April 18, 1911.

The cost of this work was $2,511.95; of this $1,206.93 was reported in 1910 report.

PEARL STREET

Serious complaints of flooded cellars, etc., were received from the district discharging through Pearl Street Sewer. The sewer outlet built of wood on a pile foundation from Granite street to the Charles River Parkway was found badly settled. 339 feet of this sewer was taken out and relaid of wood and concrete 30 in. x 36 in. The work was begun October 5, 1911, and completed December 6, 1911, and cost $4,283.03. At the same time that this work was going on an additional outlet was being provided for this district through Erie street and Albany street sewers. For this purpose the 12 in. pipe in Erie street between Pearl and Brookline streets was removed and a sewer 30 in. x 40 in. in dimensions was built for storm water and a 12 in. sanitary sewer below. 245.35 feet of 8 in. sewer was also built in Pearl street from Erie street to Hamilton street and a 12 in. sewer in Hamilton street begun. 111.25 feet of sewer was laid when cold weather compelled cessation of the work. This work should be completed the coming season by the completion of the Hamilton street sewer, and if it is found necessary, by the construction of about 475 feet of sewer in Albany street.

BISMARCK STREET CATCH BASINS

Three catch basins were built on Bismarck street at its junction with Newman street. As no outlet sewer existed at this point, an outlet was built to Tannery Brook through a right of way taken for the purpose through land of Henderson Brothers. The length of the outlet was 107 feet. The total cost, including the right of way, was $277.65.

SIXTH STREET CATCH BASIN

A catch basin was constructed in Sixth street, north of Binney street, and an outlet carried to the sewer in Binney street a distance of 107 feet. The total cost of catch basin and outlet was $170.37.

COMMERCIAL AVENUE CATCH BASINS

In paving and finishing Commercial avenue, it was found necessary to construct an outlet drain from Binney street southerly of 12 in. pipe about 178 feet long. This work was paid for by the Street Department. Sixteen new catch basins were constructed in all and 14 of this number were paid for by the Street Department. Amount paid by Street Department $1,549.76.

SEWER DEPARTMENT—FINANCIAL

MAINTENANCE APPROPRIATION

Appropriation	$22,000 00
Expended	21,998 80
Balance	1 20

EXPENDED

Catch basin repairs	$1,387 82	
Catch basin cleaning	6,344 19	
Cleaning and repairing gates	931.18	
Cleaning sumps	201 33	
Cleaning and flushing sewers	1,160 87	
Manhole repairs	316 09	
General expense	3,151 24	
Office	498 65	
Sewer repairs	5,762 05	
Stable expense	2,245 38	
Total		$21,998 80

CONSTRUCTION GENERAL APPROPRIATION

Appropriation	$19,043 88
Expended	13,418 25
Balance	$5,625 63

EXPENDED

Landsdowne Street Sewer	$4,157 21	
Wyeth Terrace Sewer	1,320 56	
Franklin Street Sewer	1,074 92	
Fresh Pond Lane Sewer	438 88	
Larch Road Sewer	1,121 34	
Thorndike Street Sewer	416 81	
Henry Street Sewer	307 03	
Kirkland Street Sewer	396.65	
Hollis Park Sewer	194 83	
Granville Road Sewer	723 39	
Columbia Street Sewer	100 99	
Lopez Street Sewer	158 81	
Alberta Terrace Sewer	570 31	
New Catch Basins	2,080 45	
General Expense	356 07	
Total		$13,418 25

SEPARATE SYSTEM APPROPRIATION

Appropriation	$25,742 24
Expended	21,148 79
Balance	$4,593 45

EXPENDED

Sherman Street Sewer	$3,207 12	
Vassar Street Sewer	3,565 92	
Broadway	3,090 29	
Walden Street Sewer	1,464 12	
Garden Street Sewer	1,884 08	
Winslow Street Sewer	211 61	
Columbia Street Sewer	251 54	
Erie Street System	7,392.20	
Donald and Tuttle Streets Sewers	81.91	
Total		21,148 79

REVENUE

Sewer Assessments	$3,434 06	
Sundry Receipts (Maintenance)	225 60	
Total		$3,659 66

METROPOLITAN SEWER TAX

Appropriation		$103,511 80
Sinking Fund requirements	$26,051 83	
Interest account	47,387 39	
Maintenance and operation	30,072 58	

SEWERS

118.254 miles of sewers, which have cost to construct $2,249,279 55

SEWER DEPARTMENT.

REAL ESTATE

Location	Buildings	Erection of Buildings	Purchase of Land	Feet of Land	Assessors' Valuation of Land	Assessors' Valuation of Buildings	Total
Pilgrim Street..	Stable	1887	....	....	....	....	....
		1881	....	....	....	....	....
" " ..	Sheds	1884	....	....	....	....	....
		1892	....	....	....	....	....
" " ..	House	1890	....	23,707	$5,900.00	....	....
		....	1868	....	....	$5,600.00	$11,500.00

PERSONAL PROPERTY

1 buggy	$125 00
4 carts (sanitary)	400 00
1 cart	50 00
2 tip carts	50 00
1 wagon, open	50 00
4 regulator clocks	10 00
1 dray	50 00
1 derrick (4 leg)	10 00
1 hoisting engine	300 00
1 gasoline engine	140 00
10 harnesses (sets of) and horse clothing	150 00
4 horses	600 00
2 patterns	10 00
1 hammer (pile-driver)	10 00
4 hand pumps and hose	100 00
1 submerged pump	20 00
1 roller street, horse	75 00
rubber goods (miscellaneous)	75 00
1 sewer cleaning machine, "Healy"	300 00
3 sleighs	75 00
tool-houses, etc.	100 00
1 trench machine, "Carson"	500 00
1 canopy-top wagon	100 00
tools and implements	550 00
stock on hand, bricks, castings, lumber, pipe, etc.	555 00
Total	$4,405 00

ENGINEERING DEPARTMENT

PERSONAL PROPERTY

6 books at $3.00	$18 00
30 vols. engineering papers at $2.50	75 00
5 logarithm books	5 00
1 pantograph	10 00
2 planimeters at $20	40 00
1 neostyle	5 00
2 numbering machines at $5.00	10 00
1 typewriter	75 00
drawing instruments, pens, compasses, etc.	75 00
drawing materials and paper	25 00
Wye level	50 00
Dumpy level at $40.00, hand level at $5.00	45 00
2 transits at $100.00	200 00
Level, line and sounding rods	45 00
6 tapes	30 00
Testing pans, moulds, etc.	10 00
Testing machinery	50 00
Electric motor	10 00
Furniture in office	300 00
Photograph outfit	50 00
Rain gages, standard and self-recording	75 00
Plans (estimated value) 11,392 at $10	113,920 00
458 field, survey, line and level books, estimated value $20	9,160 00
54 house books, estimated value $10	540 00
Total	$124,823 00

WATER WORKS

Water wasted over Stony Brook Dam as follows:—

December, 1910	
January, 1911	
February, 1911	
March, 1911	
April, 1911	210,000,000 gallons
May, 1911	
June, 1911	
July, 1911	
August, 1911	
September, 1911	

The total amount passing the dam during the year was 210,000,000 gallons.

The unfavorable condition of the Water Supply referred to in the last annual report, continued during the larger part of the year in an aggravated form.

The lowest point in the amount of water stored was on September 30, 1911, when 1,152 million gallons were left in the various reservoirs, a loss of storage or depletion of 1,943 million gallons, the largest since the present works were completed.

TABLE SHOWING RAINFALL AT STONY BROOK BASIN AT WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AND THE CITY HALL AND HARVARD OBSERVATORY, CAMBRIDGE, DECEMBER 1, 1910, TO DECEMBER 1, 1911.

1910 DECEMBER				1911 JANUARY				FEBRUARY				MARCH				
Stony Brook	Hobbs Brook	City Hall	Harvard Observ.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H	H. O.	S. B.	H. B.	C. H.	H. O.	Day of Month
							0.15		0.10							1
				0.31	0.30	0.30	0.20	0.43	0.30	0.40	0.17					2
					0.35	0.91	0.25									3
				0.37	0.48	0.07	0.65	1.22	1.25	1.10	0.25				0.50	4
															0.03	5
0.06	0.20	0.07										0.21	0.15	0.05	0.10	6
0.26		0.28	0.45				T.	0.74	0.55	0.91	0.33					7
					0.15	0.09			0.12		0.32					8
				0.20		0.09										9
													0.15	0.28	0.10	10
				0.10	0.20	0.10										11
				0.08		0.07	0.35						0.15	0.08		12
				0.04	0.05	0.07			0.05		T.				0.15	13
				0.09	0.08	0.11	0.13		0.10		0.03					14
							0.05					1.51	1.10	0.90	T.	15
	0.10		0.08				T.								1.08	16
								0.33	0.15	0.22						17
												0.69	0.15	0.17		18
0.18	0.05	0.21	0.19										0.55	0.56		19
								0.19	0.25	0.18	T.				0.72	20
0.25	0.35	0.16	0.14		0.05			0.06	0.02	0.04	0.18					21
			0.05								T.					22
							T.									23
1.31	1.30	1.35														24
			1.30								T.					25
	0.05				0.18	0.12							0.15		0.14	26
			T.	0.81	0.90	0.63	0.04					0.22	0.15	0.20	0.26	27
			T.	0.20		0.14						0.15		0.14		28
	0.05				0.10							0.66	0.65	0.77		29
0.20	0.07		0.30	0.12												30
																31
2.26	2.17	2.07	2.51	2.32	2.84	2.70	1.82	2.97	2.89	2.85	1.28	3.44	3.20	3.15	3.08	

APRIL				MAY				JUNE				JULY				
S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	Day of Month
								0.15		0.10	T.					1
																2
																3
1.00	0.75	0.97														4
0.46	0.30	0.38	1.82						T.							5
			0.30					1.77	1.61	1.26	0.16		0.50	0.22		6
								0.89	0.59	0.64	2.00				0.17	7
						0.09										8
0.51	0.45	0.51	0.35	0.05		0.02	0.08									9
0.04								0.16		0.23			0.20			10
									0.20		0.18					11
								0.04	0.03		0.04					12
								0.66	0.20	1.20	0.21					13
0.15	0.12	0.08							0.45		0.73					14
			0.25													15
T.			T.					0.26	0.05	0.30						16
											.36					17
												0.30	0.05			18
	0.07				0.05	T.										19
0.35	0.08	0.28	0.35					0.19	0.10	0.08	T.		0.28			20
			T.									0.03			T.	21
																22
					0.05		0.03									23
				0.16		0.05	T.					0.90	0.68	0.90	0.64	24
				0.42	0.45	0.15	0.15								0.01	25
											T.					26
											T.					27
												3.06	2.80	3.00	0.98	28
															3.02	29
	0.05	0.06														30
					0.12											31
2.51	1.82	2.28	3.07	0.63	0.67	0.31	0.26	4.12	3.23	3.81	3.68	4.29	4.51	4.12	4.82	

AUGUST				SEPTEMBER				OCTOBER				NOVEMBER				
S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	S. B.	H. B.	C. H.	H. O.	Day of Month
							0.81	0.04	0.04	0.05		0.31	0.35	0.22	0.19	1
								0.48	0.46	0.49	0.50				0.06	2
																3
								0.46	0.20	0.31	T.					4
											0.38					5
				0.33	0.20	0.23	0.18	0.14	0.13	0.15		0.14	0.30	0.15		6
							T.	0.36	0.37	0.39	0.50	0.19		0.20	0.49	7
					0.15		T.									8
				0.52	0.40	0.47	0.41									9
												0.10	0.15	0.12	0.05	10
				0.12	0.05	0.08	0.06								0.04	11
												0.50	0.50	0.50		12
																13
												0.13	0.13	0.12		14
0.55	0.90	0.44		0.56	0.70	0.54			0.15	0.15		0.70	0.77	0.70	1.30	15
	0.05		0.32								0.14					16
0.06			0.18				0.57		0.10							17
0.48	0.50	0.59						0.23	0.45	0.38		0.99	0.90	1.01	0.83	18
								0.46			T.				0.14	19
			0.45						0.05		0.40		0.01			20
								0.56	0.95	0.45			0.02		T.	21
				0.12	0.20	0.13	0.09	0.15	0.10	0.13	T.					22
											0.64					23
			0.06	1.42		1.38	T.				0.01	1.09	1.10	0.97	0.17	24
0.31	0.10	0.27	0.26	0.07	0.60	0.06									0.74	25
	0.25		T.		0.60		1.26									26
0.99	0.20	0.81	0.12	0.17	0.05	0.14			0.05							27
0.05	0.40	0.19	0.62								0.01	0.39	0.30	0.50		28
1.00	0.75	1.05	0.90	0.51	0.45	0.42									0.48	29
0.79	0.30		0.21				0.48									30
1.45	1.15	1.25	0.40							0.04						31
5.68	4.60	4.60	3.52	3.82	3.40	3.45	3.86	2.88	3.05	2.54	2.58	4.54	4.53	4.49	4.49	

CITY OF CAMBRIDGE—WATER WORKS—OVERFLOW AND RAINFALL AT STONY BROOK DAM, AND PUMPAGE FROM FRESH POND

OVERFLOW AT STONY BROOK DAM IN MILLION GALLONS															RAINFALL	
Year	January	February	March	April	May	June	July	August	September	October	November	December	Total yearly M. Gallons	Pumpage from Fresh Pond M. Gallons	Total inches	Departure from average 46. inches
1890	623.	661.	2,068.	1,069.	875.	425.	19.	......	6	1,161.	657.	534.	8,098.	1,639.	51.96	+5.96
1891	1,841.	1,759.	2,452.	1.306.	202	113.	4.	1.	1	....	......	21.	7,700	1,778	47.42	+1.42
1892	986.	501.	1.093.	399.	544	207	52	1.	....	....	....	50.	3,833	1,961	38.80	—7.20
1893	....	533	1,813	1,070.	1,225	44	......	......	....	....	.....	36	4,721	2,235	43.67	—2.33
1894	167.	375	1,177	807	199.	92	......	......	....	....	....	......	2,817	2,128	34.98	—11.02
1895	242	40	1.307	1,415	247.	20	14.	81.	11	381.	1,546.	927.	6,231	2,191	47.72	+1.72
1896	440.	1,262	1.879	796	208	59	......	......	....	1.	283.	206.	5,134	2,413	40.77	—5.23
1897	343	275	1,263	785	382	320	96.	325.	....	....	22.	418.	4,229	2,441	46.28	+0.28
1898	430.	928	1,049	753	613	117	......	113	....	294.	988.	1,154.	6,441	2,792	51.68	+5.68
1899	1,260	617	2.421	1,422	95.	......	......	......	....	....	....	....	5,815	2,883	43.90	—2.10
1900	76.	1,155	1.688	569	816.	114	......	......	....	....	29.	374.	4,821	2.651	51.77	+5.77
1901	9.	....	1,089	2,160	1.907	502	......	5.	....	5.	22.	787	6,486	2,785	51.73	+5.73
1902	929.	527	2,740	1,247	311.	......	......	......	....	20.	6.	387	6,167	2,931	42.88	—3.12
1903	639	882	1,855	1,562	142.	633	238.	27.	....	73.	....	19	6,070	3,161	42.78	—3.22
1904	38.	179	1,772	1.886	1,483	226.	5.	......	55	....	1.	1.	5,646	3,211	41.53	—4.47
1905	399.	....	1,248	1.041	125	107	......	......	244	....	....	72.	3,236	3,294	38.88	—7.12
1906	238	253	1,222	1,108	343	182	45.	......	....	....	....	....	3,391	3.386	40.83	—5.17
1907	310	....	445	678	322	121	......	......	....	100.	403.	452.	2,831	4,039	40.65	—5.35
1908	607	632	993	445	199	25	......	......	....	....	....	....	2,901	3,842	33.60	—12.40
1909	....	613	487	489	255	47	......	......	....	....	....	....	1,891	3.598	40.84	—5.16
1910	385.	580	797	54	2	......	......	......	....	....	....	....	1,818	3,816	32.32	—13.68
1911	....	....	....	210	....	......	......	......	....	....	....	....	210	3,734	41.55	—4.45

The accompanying table shows the monthly overflow at Stony Brook Dam; the yearly pumpage from Fresh Pond and the total annual rainfall at Stony Brook. It will be seen from an examination of this table that the overflow has pretty steadily decreased from 1890 when 8,098 million gallons were wasted, to 210 million gallons in 1911; that the pumpage from Fresh Pond has greatly increased, and that for the last ten years the rainfall has been very markedly below the average rainfall for this vicinity. These are the principal causes which have produced the shortage in the water supply.

In the early part of the year the Water Board engaged Mr. Frederic P. Stearns, Consulting Engineer of Boston, to make a comprehensive study of the whole question of the water supply and make such report and recommendations as he deemed advisable.

In connection with these studies a survey of the entire water shed of Stony Brook was made to define more accurately than before its limits and drainage area.

A careful survey was made of the present Stony Brook Basin and adjacent lands and an estimate prepared of the cost of raising the dam 20 feet above its present limits and enlarge the present reservoir.

A survey was also made of Hobbs Brook from its junction with Stony Brook near Kendall Green Station of the Fitchburg Railroad to the Winter Street Dam of the Hobbs Brook Reservoir.

Examinations were also made of various additional storage reservoir sites, and additional sources of supply.

The report of Mr. Stearns was made October 26, 1912.

In accordance with an offer made by Harvard University, Professor Hector J. Hughes, of the Department of Engineering, was detailed to look into the matter and report to the Water Board.

The report of Professor Hughes is dated January 5, 1912.

In both of the reports submitted the whole matter was exhaustively reviewed and recommendations made.

TABLE SHOWING COMPARISON BY MONTHS OF THE PRECIPITATION AT STONY BROOK BASIN, HARVARD OBSERVATORY, AND CAMBRIDGE CITY HALL; ALSO THE NUMBER OF DAYS IN WHICH RAIN FELL AT CITY HALL. DECEMBER 1, 1910, TO DECEMBER 1, 1911.

Point of Observation		1910						1911						
		Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Total
Stony Brook Basin....	Monthly Precipitation	2.26	2.32	2.97	3.44	2.51	.63	4.12	4.29	5.68	3.82	2.88	4.54	39.46
Hobbs Brook Basin....	Monthly Precipitation	2.17	2.84	2.89	3.20	1.82	.67	3.23	4.51	4.60	3.40	3.05	4.53	36.91
Harvard Observatory..	Monthly Precipitation	2.51	1.82	1.28	3.08	3.07	.26	3.68	4.82	3.52	3.86	2.58	4.49	34.97
City Hall.............	Monthly Precipitation	2.07	2.70	2.85	3.15	2.28	.31	3.81	4.12	4.60	3.45	2.54	4.49	36.37
	No. of days in which rain fell...........	5	12	6	9	6	5	7	3	7	9	10	10	89

SUMMARY OF SEWERAGE STATISTICS

(In form recommended by Sanitary Section of Boston Society Civil Engineers.)

For the year ending April 1st, 1912

CAMBRIDGE, MASSACHUSETTS

General

Population by census of 1910	104,839	
Total area of city	6.535	sq. miles
Area served by sewerage system	about 6.00	sq. miles
Collection system for sewage only	28.740	
Collection system for sewage and surface water	111.078	
Collection system for surface water only	7.405	

Method of disposal—discharge into ocean by the Metropolitan (State) sewer.

COLLECTION

Mains (everything but house and catch basin connections).

	For sewage only	For sewage and surface water	For surface water only
Lineal feet extended during the year	5,990.3	2,060.51	2,142.75

Method of flushing	By use of hydrant hose
Method of cleaning	By scraping and flushing

HOUSE CONNECTIONS

By whom made	By property owners
Sizes	6-inch diameter
Number made during year	364

CATCH BASINS

Number	
Number cleaned	1,466
Average amount of material removed per catch basin	1.88 c. y.
Cost of removing material per cubic yard	$2.30
Cost of removing material per catch basin per year	$4.33

DISCHARGE OF SEWAGE

Estimated population using sewer system	100,000
Number of buildings connected (estimated at)	16,000

FINANCIAL

CONSTRUCTION

Receipts		Expenditures	
Bonds issued		Collection works:	
Appropriation	$44,786 12	(a) Mains	$34,567 04
Assessments not available for expenditure	3,434 06	Balance	10,219 08
			$44,786 12

MAINTENANCE AND OPERATION

Receipts		Expenditures	
Appropriation	$22,000 00	Administration	$4,744 03
Miscellaneous	225 60	Repairs	7,465 96
		Cleaning sewers	1,698 20
	$22,225 60	Cleaning catch basins	6,344 19
		Flushing sewers	595 18
		Unclassified expenses	1,151 24
		Balance	1 20
			$22,000 00
		Interest on bonds	
		Sinking fund	

GENERAL

Total cost of collecting mains	
Total cost of works to date	$2,249,279 55
Bonded debt at date	1,049,000 00
Value of sinking fund at date	

Average rate of interest on bonds 3½ and 4 per cent.

Proportion of cost of system assessed on abutters estimated at ¾.

Yearly assessment for maintenance, nothing.

Method of assessing abutters and rate of assessment, based on frontage and area of lot within 100 feet of street.

The Engineering Department is organized as follows:—

City Engineer,

Lewis M. Hastings.

Principal Assistant,

George Davis.

Assistants,

Henry T. Burrage, office assistant and draughtsman.
G. Frank Hooker, in charge of street work.
Edgar W. Davis, in charge of sewer work.

Transitmen,

Ray L. Coolidge, Roy S. Kempton.

Rodman,

Henry F. Rowe.

Clerk and Stenographer,

Mary E. Rowen.

Superintendent of Sewers,

Theodore L. Pike.

Six temporary assistants in addition have been employed in the department during the summer.

Respectfully submitted,

L. M. HASTINGS,

City Engineer.

REPORT OF THE CHIEF OF POLICE

To the Honorable, the Mayor and the City Council of Cambridge:

Gentlemen: In compliance with the City Ordinance, I have the honor to present the annual report of the work of the Police Department to April 1st, 1912.

The whole number of arrests for the year was 3,791; last year there were 3,906, a decrease of 115 for this year.

Males	3,499	Adults	3,037
Females	292	Minors	754
Non-residents	906		

The offences for which arrests have been made are as follows:

Adultery	8
Assault and battery	229
Assault, felonious	3
Assault on officer	2
Assault, indecent	3
Abortion	3
Abandonment	7
Assault, intent to rob	6
Attempt to pass forged check	1
Attempt to rescue prisoner	7
Assault, dangerous weapon	4
Attempt to rape	1
Attempt to commit arson	4
Attempt to commit larceny	3
Attempt to assault police officer	1
Attempt to break and enter	3
Assault, intent to kill	2
Burning a building	1
Bastardy	29
Breaking and entering	107
Buying from minors	3
Being present where gaming implements were found	8
Bathing in nude condition	1
Breaking glass	1
Capias	35
Common drunk	52
Carrying concealed weapon	19
Carrying a loaded revolver	1
Compounding a felony	1
Conveying leased property	2
Cruelty to children	1
Contempt of court	13
Conspiracy	1
Disturbance of peace	235
Drunk	1,721
Disturbance on street car	22
Dangerous dog	1
Doing business without license	1
Disturbing a public meeting	9
Disorderly house	3
Doing business without being registered	2
Disturbing a religious meeting	1
Escaped prisoners	18
Evading car fare	2
Exposure of person	4
Exposing for sale fire works outside of building	3
False scales	2
Fornication	9
Failing to send children to school	1
Forgery	4
Failing to use scales on ice wagon	1
Gaming, or present at, on Lord's Day	114
Giving false alarm of fire	7
Having cocaine in possession	1
Interfering with a funeral procession	1
Idle and disorderly	6
Insane	17
Illegal transportation of liquor	13
Illegal sale of liquor	14
Injury to building	2
Keeping unlicensed dog	3
Keeping a gambling house	1
Keeping junk shop without license	1

Keeping shop open on Lord's Day	5	Refusing to assist officer	3
Keeping a gaming device	1	Robbery	7
Liquor nuisance	19	Rape	3
Larceny	240	Rescuing a prisoner	3
Larceny from building	13	Runaways	3
Laboring on Lord's Day	2	Representing himself as officer	1
Lewd and lascivious cohabitation	23	Safe keeping	25
Larceny from person	2	Stubborn children	36
Loitering	8	Spitting on sidewalk	1
Malicious mischief	9	Suspicious persons	36
Manslaughter	2	Surrender bail	3
Murder	1	Selling cigarettes to minors	3
Malicious injury to real estate	11	Sodomy	1
Maliciously setting fire	2	Stealing a ride	1
Not keeping express book properly	1	Surety of the peace	1
Not having license number on wagon	2	Selling goods with illegal measure	3
Non-support	106	Threatening	3
Neglected children	59	Trespass	22
Neglect of children	2	Tramp	10
Obstructing a street car	2	Truants	2
Obstructing a police officer	1	Using unsealed measures	1
Obstructing street with R. R. cars	1	Unnatural act	1
Peddling without license	12	Violation of auto law	57
Promoting a lottery	1	Violation of city ordinance	71
Polygamy	1	Violation of probation	117
Playing ball in street	2	Violation of park rules	7
Perjury	3	Violation of conditions of license	11
Profanity	2	Violation of milk law	10
Passing worthless checks	1	Violation of game laws	1
Refusing to leave a building	1	Violation of Board of Health rules	3
Receiving stolen goods	23	Vagrants	18
		Walking on railroad tracks	4
		Wayward children	2

NATIVITY OF PRISONERS

Russia	276	United States	2,212
England	71	Cuba	1
Ireland	631	West Indies	9
Canada	258	Turkey	4
Italy	71	Austria	7
Sweden	45	Belgium	2
Greece	17	Germany	23
Denmark	2	Spain	8
China	2	Newfoundland	35
France	4	Finland	6
Norway	12	Portugal	32
Poland	27	Azores	5
Scotland	30	East Indies	1

OCCUPATION OF PRISONERS

Artists	5	Barbers	16
Actors	1	Baggage masters	3
Agents	11	Box makers	10
Auto dealers	5	Basket makers	2
Apprentices	4	Bill posters	2
Builders	6	Butchers	14

Broom makers	3
Brush makers	1
Boiler makers	9
Building movers	1
Blacksmiths	29
Brass workers	16
Brakemen	5
Bookkeepers	4
Bookbinders	20
Bartenders	3
Barrel dealers	3
Clerks	11
Cornice makers	3
Carvers	3
Canvassers	3
Coremakers	3
Cabinet makers	8
Carpenters	74
Cooks	15
Coopers	7
Cigar makers	6
Carriage makers	6
Confectioners	15
Carriage drivers	4
Chauffeurs	32
Contractors	4
Conductors	14
Dressmakers	10
Dentists	3
Druggists	12
Domestics	26
Decorators	3
Expressmen	24
Errand boys	34
Engineers	13
Electricians	17
Editors	2
Fishermen	5
Florists	4
Furniture polishers	4
Foremen	3
Furniture movers	3
Firemen	15
Farmers	18
Gasfitters	4
Glass workers	9
Glazers	1
Gardeners	25
Harness makers	4
Hostlers	27
Hotel keepers	3
Horseshoers	6
Hatters	2
House work	166
Horse dealers	2
Icemen	3
Inventors	2
Instructors	3
Iron Workers	36
Janitors	14
Jewelers	3
Junk dealers	21
Lawyers	3
Laundresses	6
Laundrymen	6
Lathers	5
Laborers	1,141
Mill hands	8
Merchants	4
Machinists	77
Milkmen	7
Meat cutters	8
Miners	1
Manufacturers	3
Motormen	7
Masons	30
Nurses	1
Metal platers	6
Mattress makers	2
Not working	267
Plumbers	36
Printers	28
Polishers	2
Porters	7
Pressmen	4
Pool room keepers	9
Peddlers	63
Plasterers	17
Paperhangers	4
Piano action maker	3
Painters	104
Physicians	3
Photographers	4
Piano workers	16
Rag picker	2
Rubber worker	51
Roofer	10
Riggers	1
Restaurant keepers	2
Surveyors	3
Singers	3
Salesmen	20
Soldiers	3
Students	26
Stonecutters	7
Scholars	179
Sailors	11
Shoemakers	19
Shippers	15
Stewards	3
Stevedores	5
Sugar maker	1
Saw filer	1
Steamfitters	20
Storekeepers	44
Telegraph operator	4
Tinsmith	13
Tailors	12
Teamsters	329
Upholsterers	4
Wire workers	11
Watchmen	3
Waiters	35
Wood workers	19
Weavers	2

MISCELLANEOUS BUSINESS

Accidents	275	Water running to waste	31
Buildings found open	407	Defective wires	94
Cases investigated	3,757	Defective poles	9
Dead bodies found	6	Defective trees	31
Dangerous buildings	8	Defective streets and sidewalk	1,497
Dangerous chimneys	2	Disturbances suppressed	185
Defective catch basins	97	Dogs killed	54
Defective gas pipes	6	False alarms	9
Defective water pipes	164	Fires extinguished without alarm	36
Defective hydrants	46	Lost children restored	304
Defective lamps	3,458	Sick and injured persons assisted	236
Street obstructions removed	18	Stray teams put up	31

SIGNAL SYSTEM

Duty calls by officers	527,280
Telephone calls from boxes	54,750
Wagon calls	2,245
Miles run	3,755
To fires	6

AMBULANCE

Emergency, accident and sickness calls, 711, of which 149 were sick persons removed to hospitals by request of the Overseers of Poor.

CITY PROPERTY IN USE BY THE POLICE DEPARTMENT

2 electric desk lamps	$5 00	3 shovels	1 50
15 roll-top desks	150 00	2 grain chests	10 00
10 tables	20 00	5 horse brushes	1 00
2 settees	2 00	1 dictionary	4 00
4 rugs	10 00	1 private telephone	200 00
4 medicine cabinets	20 00	145 revolvers	1,450 00
3 book cases	15 00	1 extra collar and saddle	10 00
2 wardrobes	10 00	27 lanterns	13 50
4 umbrella stands	2 00	160 badges	80 00
6 directories	24 00	3 strait jackets	6 00
2 safes	50 00	5 bicycles	40 00
1 camera without lens	25 00	3 storm windows	3 00
2 washing boxes	2 00	60 chairs	60 00
Trays and graduates	4 00	9 clocks	15 00
1 letter scale	1 00	5 water tanks (ice)	35 00
1 card index	50 00	15 ink stands	5 00
1 copy press	5 00	1 operating table and chair	25 00
6 fire ropes	5 00	12 mirrors	10 00
6 oil cans	2 50	5 grappling irons	5 00
3 wagons at $350	1,050 00	2 American flags	10 00
1 old wagon	50 00	25 cuspidors	10 00
1 ambulance	50 00	2 couches	10 00
6 harnesses	60 00	1 camera stand	2 00
5 horse blankets	5 00	1 Bertillon book	1 00
6 stable forks	6 00	1 fingerprint book	1 00

1 rogues gallery	50 00	5 horses	1,000 00
1 typewriter	20 00	23 galvanized ash cans	20 00
4 maps	1 50	9 pails	2 25
13 beds and clothing	150 00	3 wagon jacks	3 00
11 pair handcuffs	25 00	Law books	50 00
1 pair leg irons	5 00	150 police belts	100 00
1 van	100 00	150 rules and regulations	37 50

NUMBER OF DAYS ABSENCE OF OFFICERS FROM DUTY FOR CAUSES AS SET BELOW

	Sick, Half Pay Allowed	Sick, No Pay Allowed	Absent With Leave No Pay Allowed	Vacation	One Day in 15 Allowed by Law Without Loss of Pay
Sergeants					
Aberle, Charles F.	43	......	......	14	20
Aylward, Richard H.	......	......	......	14	20
Canney, John J.	......	......	......	14	20
Ellis, Frederick M.	......	......	......	14	20
Leahy, Timothy F.	1	......	......	14	20
McCorry, Joseph F.	......	......	......	14	20
Real, Thomas J.	1	......	1	14	20
Robinson, Frederick A.	4	......	......	14	20
Rowe, Thomas P.	1	......	......	14	20
Welch, Edward J.	......	......	......	14	20
White, Orrin B.	......	......	......	14	20
Winslow, John E.	......	......	......	14	20
Patrolmen					
Aberle, William H.	......	......	......	14	20
Ackerly, John M.	......	......	......	14	20
Andrew, Frank	4	......	6	14	20
Andrew, William	53	......	......	14	20
Barrington, George T.	......	......	......	14	20
Biggane, William F.	......	......	......	14	20
Blen, Elbridge S.	......	......	......	14	20
Bradley, Charles E.	1	......	10	14	20
Burke, Thomas F.	7	......	......	14	20
Campbell, Thomas M.	5	......	......	14	20
Coady, Thomas F.	......	......	......	14	20
Collins, Frederick V.	3	......	......	14	20
Comerford, Edward J.	......	......	......	14	20
Conlan, Andrew	2	......	......	14	20
Corcoran, Timothy	......	......	......	14	20
Crane, Timothy	......	......	......	14	20
Culhane, Robert G.	......	......	......	14	20
Cummings, John F.	2	......	......	14	20
Curran, Michael J.	20	......	2	14	20
Curtin, William A.	56	......	......	14	20
Davis, Harry W.	1	......	......	14	20
Dempsey, Lawrence P.	6	......	......	14	20
Diehl, Anton B.	......	......	1	14	20
Doherty, Joseph F.	42	......	......	14	20
Donahue, Joseph J.	31	......	......	14	20
Douglas, Robert J., Jr.	18	......	......	14	20
Doyle, Patrick	......	......	......	14	20
Dunlea, Patrick F.	......	......	2	14	20
Dynan, Thomas F.	3	......	1	14	14

NUMBER OF DAYS ABSENCE OF OFFICERS FROM DUTY—Continued

Patrolmen—Continued	Sick, Half Pay Allowed	Sick, No Pay Allowed	Absent With Leave No Pay Allowed	Vacation	One Day in 15 Allowed by Law Without Loss of Pay
Dwyer, Edward E.	9	......	......	14	20
Fabry, Frank J.	......	......	......	14	20
Furbush, Joseph H.	......	......	......	14	20
Gavin, Lochlin	6	......	......	14	20
Ginty, William B.	5	......	......	14	20
Gordon, Edward C.	......	......	......	14	20
Griffiths, John J.	60	80	1	14	20
Guthrie, John J.	......	......	......	14	20
Gutoski, Frank H.	1	......	......	14	20
Hackett, Mortimer M.	......	......	1	14	20
Healy, Patrick J.	1	......	......	14	20
Henry, Frank S.	......	......	......	14	20
Hezlitt, John A.	11	......	......	14	20
Higgins, Benjamin F.	......	......	......	14	20
Hill, William H.	59	......	......	14	20
Holt, James H. H.	3	......	......	14	20
Horgan, Daniel J.	23	......	......	14	20
Horrigan, Edward F.	......	......	......	14	20
Ireland, Jerome D.	59	......	......	14	20
Jewett, Dexter	60	19	......	14	14
Kelleher, John	1	......	......	14	20
Kelley, John W.	14	......	......	14	20
Kelley, Michael J.	17	......	......	14	20
LaMarche, Frank D.	60	......	1	14	20
Largenton, Augustus J.	......	......	......	14	20
Law, Frederick W.	4	......	2	14	20
Leahy, Dennis F.	......	......	......	14	20
Lehane, Timothy	60	......	......	14	20
Lynch, David E.	......	......	......	14	20
Mahoney, George J.	3	......	......	14	20
Maloy, John P.	60	81	......	14	20
McCabe, Edward J.	60	7	......	14	20
McCaffrey, Bernard J.	1	......	......	14	20
McCann, Charles J.	10	......	3	14	20
McCarthy, Jeremiah H.	31	......	......	14	20
McCrehan, John E.	......	......	......	14	20
McFadden, Richard M.	......	......	......	14	20
McKeown, William F.	6	......	......	14	20
McMahon, Michael	13	......	......	14	20
McNamara, Patrick H.	......	......	......	14	20
Mello, Manuel G.	5	......	......	14	20
Moylan, Patrick E.	8	......	......	14	20
Mullalley, John T.	......	......	......	14	20
Mullen, Robert E.	16	......	......	14	20
Mullins, William N.	......	......	......	14	20
Mulvaney, Simon J.	......	......	......	14	20
Murphy, Peter J.	39	......	19	14	20
Neilan, John P.	9	......	......	14	20
Nelligan, Maurice P.	4	......	2	14	20
O'Brien, John J.	14	......	......	14	20
O'Connell, Charles P.	......	......	......	14	20
O'Dell, William L.	......	......	......	14	20
Parks, Joseph W.	......	......	......	14	20
Patten, George A.	1	......	......	14	20
Powers, John F.	......	......	1	14	20

NUMBER OF DAYS ABSENCE OF OFFICERS FROM DUTY—Concluded

Patrolmen—Concluded	Sick, Half Pay Allowed	Sick, No Pay Allowed	Absent With Leave No Pay Allowed	Vacation	One Day in 15 Allowed by Law Without Loss of Pay
Presho, Charles H.	16	......	......	14	20
Reagan, James F.	......	......	......	14	20
Rice, Ralph R.	3	......	......	14	20
Roberts, John W.	......	......	......	14	20
Robertson, William H.	22	......	......	14	20
Rowe, William H.	......	......	1	14	20
Scully, Benjamin C.	19	......	1	14	20
Shannon, Joseph H.	......	......	......	14	20
Shannon, Thomas J.	32	......	......	14	20
Shea, Thomas	1	......	......	14	20
Sheehan, Cornelius	12	......	......	14	20
Sheehan, John J.	47	......	......	14	20
Sullivan, Cornelius	......	......	......	14	20
Tansey, Joseph F.	......	......	......	14	20
Temple, Joseph C.	3	......	......	14	20
Walsh, David H.	......	......	......	14	20
Walsh, David L.	......	......	......	14	20
Walsh, John	......	......	......	14	20
Wyman, Charles W.	......	......	......	14	20
Reserve Officers					
Russell, James D.	......	......	......	14	20
Mulqueeney, John P.	......	......	......	14	20
Tevlin, John J.	1	......	......	14	20
Kearns, Thomas P.	15	......	......	14	20
Gallagher, Jeremiah J.	......	......	......	11	20
Bagan, John H.	......	......	......	14	20
Sullivan, Eugene	......	......	......	6	20
McLaughlin, Frank A.	......	......	......	14	20
Cahalane, John	......	......	......	..	..
Curtin, Patrick J.	......	......	......	2	19
Landrigan, James M.	......	......	......	1	19
Dynan, Anthony	......	......	......	..	19
McCollough, Joseph A.	......	......	......	2	19
Stokes, John F.	1	......	......	7	19
Humphrys, William J.	1	......	1	2	19
Canney, Daniel F.	5	......	......	7	19
Harney, William H.	......	......	......	..	11
Mullin, William T.	......	......	......	..	9
McCool, William M.	......	......	1	..	5
Hennessy, James V.	......	......	......	..	..
Turcotte, Amos	......	......	......	..	..
Flynn, William	......	......	......	..	..
Harney, Thomas M.	......	......	......	..	..
Normile, Michael C.	......	......	......	..	..
Bourget, Joseph A.	......	......	......	..	..

Cambridge, Mass., April 1st, 1912.

To Frederick B. Pullen, *Chief of Police:*

Sir:—I herewith submit my annual report of the work of the Inspector's Department from April 1st, 1911, to March 31st, 1912, inclusive.

Property reported lost or stolen		$14,500 00
Property recovered		12,693 00
Cases investigated	920	
Civil cases investigated for City Solicitor	60	
Arrests made by Inspectors	115	
Cases pending	12	
Cases dismissed	10	
Suspicious persons arrested and released	6	
Arrests of fugitives from justice for other Police Departments	15	
Convictions	72	

On Sunday, October 29th, 1911, I was requested by Joseph Pellitier, District Attorney of Suffolk County, to assist him in looking up evidence and preparing case, in the case of Clarence V. T. Richeson, who was under arrest there for murder, and with your consent I worked on the case until January 9th, 1912, on which day Richeson came into court and pleaded guilty of murder in the first degree.

Respectfully submitted,

PATRICK J. HURLEY,
Chief Inspector.

Cambridge, Mass., April 1st, 1912.

To Frederick B. Pullen, *Chief of Police:*

Sir:—I herewith submit the annual report of the Matrons from April 1st, 1911, to April 1st, 1912.

Number of women prisoners	185
Neglected children	6
Stubborn children	3
	194

Respectfully submitted,

Catherine E. Goodwin,
Mary McEachern,
Matrons.

Appropriation and expenditures for general supplies for the year from April 1st, 1911, to March 31st, 1912, inclusive.

Appropriation	$6,910 00

EXPENDED

For buttons and trimmings	$231 09	
Books and stationery	351 72	
Cleaning and heating stations	916 00	
Collars	15 60	
Cloth for uniforms	896 38	
Disinfectant	8 50	
Damage to clothing	29 00	
Drill instruction	50 00	
Expressing	13 84	
Electric lighting	413 21	
Food for prisoners	93 21	
Furniture and repairs	84 50	
Gas lighting	542 64	
Horse shoeing	164 00	
Hiring auto when horses were sick and for investigating accident	16 00	
Harnesses and repairing	109 90	
Horse clipping	14 50	
Hay and grain	744 70	
Ice	51 59	
Laundry	75 37	
Medical attendance and medicines	35 95	
Minor license badges	31 25	
Photographic supplies	57 21	
Postage stamps, bill heads, etc.	29 64	
Printing	284 50	
Revolvers, repairs, billies, etc.	186 98	
Repairing bicycles	20 80	
Repairing vehicles	326 67	
Repairing stables and horse stalls	70 48	
Stable supplies	31 70	
Station supplies	352 68	
Subscription	18 00	
Telephones and telegrams	388 80	
Traveling expenses	246 76	
		6,903 17
Balance unexpended		$6 83

Amount appropriated and expended for salaries for the year from April 1st, 1911, to March 31st, 1912, inclusive.

Appropriation	$174,500 00

EXPENDED

April	$13,458 44
May	13,053 77
June	13,080 67
July	16,127 42
August	13,445 92
September	16,399 79

October	$13,475 92	
November	13,564 17	
December	16,492 41	
January	13,465 04	
February	13,534 03	
March	16,201 63	
		172,299 21
Balance unexpended		$2,200 79

ORGANIZATION

The department organization remains the same as last year, excepting the reserve force has been increased to twenty-five, the maximum allowed by law, which makes an addition to the force of three men, and the department now consists of one chief, four captains, one chief inspector with the rank of captain, three inspectors with rank of lieutenants, eight lieutenants, twelve sergeants, one hundred and two patrolmen, twenty-five reserve patrolmen, eight wagon and ambulance drivers and two matrons.

The discipline of the department has been good; no complaints of serious infractions of the rules having been made. Weekly drills of the members of the department have been held during the winter months in squads of about forty, under Sergeant Brassill of E Company, Eighth Regiment, Massachusetts Volunteer Militia, who has proved a very competent instructor, not only in the common company movements, but in giving the men instructions in military deportment and discipline which has assisted very much in accomplishing the results so much desired in a well-organized police force. In addition to the drills there have been held weekly meetings at the stations where the officers have been instructed in the laws and ordinances as also the regulations for the government of the police force, all of which has tended to a better conception of their duties. To further increase the efficiency of our police force pistol target practice will begin about the middle of April and continue into the early summer, recent investigation showing the need of instruction in the care and use of the revolver, which will result in much benefit to every officer and to the general welfare of the community by having every pistol in condition to use and every officer knowing how to use it in case of emergency.

The department has lost during the year by death three members:

John Coffey, driver of patrol wagon 3, who died after a long illness, on May 1st, 1911. He has been many years in the department and was much respected by his associates.

On December 31st, 1911, Patrolman Thomas F. Dynan was accidentally injured by being struck by an electric car on Main Street about 7.30 P. M. and died January 4th following without having regained consciousness enough to explain how the accident happened. He had been nearly thirty years in the department and was a faithful officer.

On March 30th Patrolman Timothy Lehane died, after a short illness, from heart disease. He had been a member of the department about five years, but in that short term of service he had shown such adaptability in the performance of his duties as to impress his superior officers with his qualifications for the work he had chosen, and his loss to the city and department is regretted.

One pensioneer, Lieutenant Michael J. Conry, died on April 19th, 1911.

One patrolman has been pensioned during the year.

During the year an appropriation was made to install the police signal box system at Station 4 and connect the boxes in that division, and also to establish the red flash light system over the whole city, running circuits from each station following the signal system circuits so that if an officer is wanted the current may be turned on and the red light set for him, or in case of emergency the lights can be turned on all over the city and all officers warned in a very short time. The above improvements are in course of construction and when finished will, I believe, result in greater efficiency. The Inspectors' Department has been very successful, Captain Hurley, and in fact all the inspectors, working hard to accomplish the results desired. The police force generally have shown a laudable disposition to prevent crime and have in many instances been very alert in detecting criminals and have thus assisted the inspectors in their work, a fact which indicates the amicable relations existing between the different branches of the department and is very gratifying to the superior officers. In conclusion I wish to express a personal word of congratulation and thanks to all the members of the department for their efforts to maintain the good name of the city and for their assistance cheerfully given in maintaining order during the great influx of strangers during the carnival week, at which time not one complaint was made of a disturbance or loss of property, the extra work having been done without extra compensation. I also wish to tender my thanks to His Honor the Mayor and the Board of Aldermen for the cordial support given me in maintaining the standing of the department and to the justices and clerks of the Third District Court for their advice and assistance in the duties of my office.

RECOMMENDATIONS

After careful thought and study of the situation I take this opportunity to suggest redistricting the city, making two police divisions, the first to comprise all the territory westerly of a line following the ward line from Line Street through Dana to Massachusetts Avenue, to Putnam Avenue, to Western Avenue to the river.

Building a new police station house near the corner of Garden Street and Huron Avenue, discontinuing Stations 1 and 4 and selling the property.

The second police division to comprise the whole of that part of the city lying easterly of the aforesaid line through Dana Street, Putnam and Western Avenues.

Building a station house near the corner of Broadway and Clark Street, discontinuing and disposing of the building now occupied by Station 3 and remodeling the city building at the corner of Green Street and Western Avenue, now occupied by the police headquarters, Station 2 and other city departments making quarters for the Third District Court, and police headquarters, and furnishing the abandoned armory for a gymnasium, drill and lecture room for the Police Department.

This would result in saving the salaries of two captains and four lieutenants, amounting in the aggregate to $8,000.00, and in continuing the rent of the court room to the city, which would go a long way towards paying the interest (if it would not wholly take care of that item) on the amount which it would be necessary to borrow to carry out these recommendations above the amount received for the sale of the abandoned property.

The installation of a power patrol wagon in each division would then be feasible. I also recommend the immediate purchase of a power ambulance which could be kept at Station 2 and utilized for service in all sections of the city.

Respectfully submitted,

FREDERICK B. PULLEN,
Chief of Police.

ANNUAL REPORT OF THE ELECTRICAL DEPARTMENT

To the Honorable the City Council of the City of Cambridge:—

Gentlemen:—I submit herewith the thirteenth annual report of the Electrical Department for the fiscal year beginning April 1, 1911, and ending March 31, 1912.

INSPECTION OF ELECTRICAL WIRING IN BUILDINGS

The work in this branch of the department dropped from the great increase of last year to more nearly the normal amount. In order to increase the efficiency of the department, an effort was made to have the electrical contractors co-operate with the department in the matter of notices of work, with the object in view of decreasing the number of inspections by eliminating visits when the work was not ready. As seen by the accompanying table, the average number of visits per installation has decreased materially during the past year. A further result of this co-operation has been a substantial decrease in the number of defects in the work.

As in the past years, no reinspections could be made on account of the whole time of the inspector being taken up with new work.

No electrical fires or accidents from interior wiring were reported to this department.

TABULATION OF INSPECTION OF INTERIOR WIRING

	April 1, 1909 to March 31, 1910	April 1, 1910 to March 31, 1911	April 1, 1911 to March 31, 1912
Number of inspections	1,513	2,972	1,541
Number installations inspected....	564	962	711
Capacity 16 c.p. incandescent lamps installed	18,124	31,413	23,498
Capacity low potential arcs installed	42	147	32
Number power motors installed...	149	242	144
H.P. of motors installed	1,339	1,759	931.5
Number generators installed......	3	6	2
K.W. capacity generators installed	230	193	27.5
Number of defects noted..........	909	1,126	486
Number unfinished inspections....	17	60	64

OUTSIDE WIRES AND POLES

There are no men available in the department for systematic inspection of outside wires and poles. The pole inspection is done almost wholly by the companies owning the poles, although a general supervision of both poles and wires is maintained by the department in conjunction with the work on its own wires.

No accidents to life due to overhead wires were reported this year. The ever-present danger from this source, however, together with the unsightliness of overhead wires and poles, and the damage to trees caused by these wires, constitute a strong argument in favor of underground wires wherever it is feasible to install them. I strongly recommend the consideration of this subject to the City Council next year.

Many round chestnut poles were installed and also chestnut poles substituted for square hard pine poles when the latter have been found unsound and dangerous.

The number of permits for round chestnut poles to replace square hard pine poles is as follows:

Cambridge Electric Light Company	129
New England Telephone and Telegraph Company	33

The number of permits to run wires issued during the year is as follows:

Cambridge Electric Light Company	*497
New England Telephone and Telegraph Company	1,317
Boston Elevated Railway Company	0

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* This number includes the permits issued for service connections for light and power. These have not been included in past years.

POLICE SIGNAL SYSTEM

Increasingly good results have been obtained in the operation of this system, but in many respects there is great room for improvement in its use. About one-third of the reports of trouble on the system are unnecessary, but these reports consume almost as much time of the electrical department as if real trouble actually existed. This time could with much better results be devoted to increasing the efficiency of the system, if the unnecessary reports were not made. It is recognized that the system is old and very much worn, and there is great room for improvement if the time and money could be devoted to it.

The new battery for the local circuits in Station 3 was installed and has resulted in a marked improvement of the station apparatus.

A new box to be located in Cambridge Field near the Shelter has been purchased and will soon be installed.

An appropriation of $2,500.00 was made late in the year for a separate system for the Station 4 district. The City Electrician was not consulted in regard to the system to be installed or the amount of the appropriation, and after the appropriation was made it was found to be too small to install the new system, which included red lights at the boxes controlled from the station. I, therefore, concluded to install a new two-circuit desk in the station, change over the old closed circuit boxes to work on open circuit, use the existing wires, and install the red lights in series on independent circuits controlled from the new desk. After purchasing the necessary apparatus for Station 4 sufficient money was left to procure enough batteries to equip the other three districts with red light systems. This money was transferred for this purpose, and I trust and recommend that next year a sufficient appropriation will be made to install them. The installation of the Station 4 apparatus will begin immediately and the boxes changed to work on the new system as soon as possible.

Two new boxes for District 4 were purchased with a special appropriation made for that purpose.

My only recommendations for this system are its centralization in one station, the installation of new boxes in districts not covered by existing boxes, and the gradual substitution of new boxes and station apparatus for old boxes and apparatus, first in Districts 1 and 3 and later in District 2.

FIRE ALARM SYSTEM

Much less trouble was experienced this year than for several years with the apparatus in the fire alarm office. This result was due to greater watchfulness against breakdowns, accompanied by great good fortune rather than to any rejuvenation of the apparatus or any increase in its ability to overcome the dangers of accidents to which its age and worn-out condition subject it. The general condition of this apparatus upon which so much depends, and its inadequate housing in a fire trap such as its present quarters, make it imperative that immediate action be taken to install new apparatus in a modern fireproof building.

The Building Commission has been considering the needs of this department in conjunction with the new headquarters for the fire department. After going deeply into the matter and considering it from all points of view, this commission has recommended an appropriation to cover the cost of a new fireproof building for the fire and electrical departments, and new fire alarm apparatus. This report, with the approval of the mayor and his recommendation that its provisions be carried out, is now before the City Council, and I trust that there will be no delay in acting favorably upon it.

The battery stand at the fire alarm office, built as a temporary affair, six years ago, is rapidly disintegrating, and if it must continue in use for longer than the coming year, considerable repairs will have to be made upon it.

The following new boxes were added during the year:

Box 234 Hampshire street, corner Windsor.
Box 237 Portland street, corner Bristol.
Box 731 Sheridan square.
Box 783 Massachusetts avenue and Magoun street.
Box 86 Huron avenue and Larch road.
Box 92 Huron avenue, opposite Park avenue.
Box 95 Oxford avenue, corner Lawn street.

Last year I spoke at some length on keyless doors. During the past year much more trouble than ever before occurred with the glass key boxes on fire alarm boxes with key doors. For most of the key door boxes, the keys are distributed among neighboring houses and a sign placed over the boxes telling where the keys may be found. Much time is lost getting a key. In 13 cases where the conditions for locating keys are poor, small boxes with glass doors are fastened to the fire alarm boxes for the purpose of holding keys which are fastened to a chain. With this number of glass key boxes, 82 glasses were broken during the past year, and in eight cases the keys were stolen. These keys can be used to open any key door and many of the false alarms sent in without doubt result therefrom. In addition the boxes from which the keys are stolen are made increasingly difficult of access in case of fire. Keyless doors would eliminate this trouble and danger and would also decrease the number of false alarms, since as a matter of fact very many fewer false alarms are sent from boxes with keyless doors than from those with key doors, while on the other hand, the keyless doors make it easier to send an alarm for a fire. I recommend that next year an appropriation be made for keyless doors.

The work on the outside circuits for the fire alarm and police telegraph systems will be found under "Outside Construction Work."

Following are a few statistics of the system:

Central Station equipment	1
Fire alarm boxes on the street	135
Fire alarm boxes on private premises	35
Fire alarm boxes with keyless doors	90
Fire alarm boxes with glass key boxes	13

Length of circuit wires in system in miles	120
Tower bells connected with system	10
Steam whistles connected with system	3
Tappers in firemen's houses	44
Tappers in factories where firemen work	7
Tappers in electrical department men's houses	3
Tappers in fire department houses	19
Tappers other than above	18
Telephones connected with the system	23
Total number of bell alarms for fire sounded during past year	352
Number of second alarms for fire sounded during past year	2
Number of third alarms for fire sounded during past year	1
Number of general alarms for fire sounded during past year	1
Number of no school alarms for fire sounded during past year	2
Number of still alarms reported during the past year	133

OUTSIDE CONSTRUCTION WORK

The following table gives the approximate amount of each kind of wire used during the year:

No. 10 covered iron wire	2	miles
No. 14 twisted pair copper wire	3	"
No. 14 two conductor woven covered cable	1	"
No. 14 four conductor woven covered cable	3,200	feet
No. 18 twenty conductor woven covered cable	400	"

The equivalent in single wire is a little more than twelve miles. Most of this wire was used in replacing old iron wire. Part of it was used in extending the circuits for new boxes and tappers and for repairs on the circuits.

Much of the time of the linemen is consumed in hunting trouble and making repairs of troubles that are inherent with overhead wires. Constant watchfulness of the circuits, the use of copper wire instead of iron and running the city wires below those of the telephone and electric light companies, which latter has been going on for more than two years, has materially reduced our line troubles, but little more can be done in this direction until the city wires are placed underground. Damage from storms, trees and crosses with the wires of other corporations cannot be avoided with overhead wires, and most of our line troubles now are due to these causes.

There were in the fire alarm box circuits 18 open circuits in the line wires, four in the tapper circuits and one in the telephone circuits, a total of 23 compared with 21 last year. Seven of these, however, were in a cable box which took fire from an electric light cross and was totally destroyed. Of the remaining sixteen, five were broken while trees were being cut down and most of the rest during storms. Only two open circuits in the police telegraph box circuits due to broken line wires existed, compared with five the year before. Two open circuits in the police private telephone circuits existed. Eleven crosses between the city wires and the electric light wires occurred. These invariably happen at night during storms, the crosses being between our wires and the street lighting wires, and are therefore difficult and dangerous to clear, the darkness and the storm making the danger many times greater than if the work could be done in daylight and fine weather.

I recommend placing the city wires underground wherever the ducts reserved for the city by the telephone company are available.

STREET LIGHTING

This year a reduction in electric incandescent light was obtained from the Cambridge Electric Light Company, dating from July 1, 1911. The amount of the reduction was five dollars per lamp, making the price $25 per lamp instead of $30, as before. With the number of lamps in service July 1, 1911, the total saving per year amounts to $2,340.00.

In fifty-seven locations electric incandescent lamps were substituted for incandescent mantle gas lamps. These changes were made only where the street lighting circuits of the Cambridge Electric Light Company already existed, and where poles were located near enough to the gas posts as not to change the location of the lamp materially. A saving of $2.75 per lamp per year resulted from this change without any material change in the illumination of the streets.

I recommend the better lighting of the public squares with high candle power incandescent lamps on some form of ornamental or semi-ornamental post, and the substitution of clusters of two or three high candle power incandescent lamps for arc lamps in many locations where arc lamps now exist. This substitution can be made with an increased illumination on the streets and with a substantial decrease in the cost to the city.

During the year three arc lights, 90 electric incandescent lamps and 11 Welsbach gas lamps were added, and 57 electric lamps were substituted for gas lamps.

The number of lamps maintained on the streets by the city is as follows:

	March 31, 1911	March 31, 1912
Arc lamps	649½*	652½*
Electric incandescent lamps	468	558
Welsbach gas lamps	393	347

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* Half the expense of one arc borne by private citizen.

I desire to thank His Honor the Mayor and the City Council for the courtesies shown me during the year.

Respectfully submitted,

TIMOTHY O'HEARN,
City Electrician.

LIST OF
STREETS AND WAYS
IN THE
CITY OF CAMBRIDGE
MASSACHUSETTS

AUGUST, 1912

PREPARED BY THE CITY ENGINEER

LIST OF STREETS AND WAYS IN THE CITY OF CAMBRIDGE, AUGUST, 1912.

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Aberdeen Avenue	Mt. Auburn	Huron Av	100	1280	1895	
Acacia	Hawthorn	Ash	40	312	1880	
Acorn	Putnam Av	Chestnut	40	300	1875	
Agassiz	Linnaean	Lancaster	40	374	1886	
Akron	Banks	Parkway	40	....	....	233
Albany	Main	Erie	50	3430	1884 1889 1899	
Aiberta Terrace	Cedar	Mass. Av	30	....	....	274
Albro Terrace	Blackstone	Parkway	40	....	....	330
Allen	Mass. Av	Orchard	30	304	1896	
Allston	Waverly	Putnam Av	30 40	2685	1871 1908	
Allston Court	Allston	Southerly	12	....	....	87
Alpine	Concord Av	Field	50	337	1896	
Ames	Main	Esplanade	60	1147	1910	
Amherst	Wadsworth	Ames	60	900	1900 1902	
Amherst	Mass. Av	Endicott	60	1090	1900	
Amherst	Endicott	Princeton Av	60	2670	....	
Amory	Broadway	Hampshire	40	1333	1880	
Amory Place	Amory	Westerly	20	....	....	120
Andrew	Fairmont	Allston	30	431	1899	
Anglim	Erie	Reardon	*50	380	1911	
Antrim	Broadway	Inman Sq	40	1342	1873	
Appian Way	Brattle	Garden	30	478	1800	
Appleton	Brattle	Vassal Lane	45	1437	1866	
Appleton	Vassal Lane	Concord Av	40	630	1893	
Appleton Terrace	Appleton	Easterly	10	....	....	120
Arcadia	Eustis	Harris	30	....	....	173
Arlington	Mass. Av	Washington Av	40	1107	1874	
Arnold Circle	Mass. Av	Northerly	20	....	....	150
Arrow	Mass. Av	Bow	*30	430	†1635	
Arsenal Square	Chauncey	Concord Av	......	....	1871	
Ash	Brattle	Mt. Auburn	31	604	1635	
Ash	Mt. Auburn	Southerly	30	308	1900	
Ash St. Place	Ash	Easterly	30	....	....	310
Ashburton Place	Essex	Easterly	20	....	....	148
Ashton Place	Irving	Westerly	25	....	....	200
Athenaeum	First	Second	50	399	1902	
Athens	Mt. Auburn	Grant	40	397	1874 1905	
Athens Terrace	Athens	Easterly	20	....	....	120
Auburn	Blanche	Sidney	40	183	1910	

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* Varies in width—lines not parallel.

† Wherever the date 1635 occurs it indicates only that the street or square was recognized as a highway at that date.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Auburn	Blanche	Western Av	40	2124	1836 1874	
Austin	Main	Inman	49	2085	1830	
Austin Place	Austin	Southerly	14	....	....	99
Avon	Shepard	Linnaean	35	842	1864	
Avon Hill	Linnaean	Upland Rd	40	1280	1882 1893	
Avon Place	Avon Hill	Easterly	20	....	....	256
Bacon Court	Gore	Northerly	12	....	....	200
Bailey Place	Magazine	Easterly	14	....	....	135
Baldwin	Cambridge	Kirkland	40	1098	1853	
Baldwin Place	Main	Northerly	15	....	....	140
Baldwin St. Court	Baldwin	Easterly	13	....	....	165
Ballard	Putnam Av	Montague	30	....	....	173
Bancroft	Western Av	Gilmore	40	....	....	386
Banks	Mt. Auburn	Sands	40	1896	1874	
Bates	Avon Hill	Raymond	40	356	1887	
Bay	Mass. Av	Kinnaird	40	580	1874	
Bay State Road	Concord Av	Field	50	760	1896	
Beaver	Cowperthwaite	Flagg	40	374	1874	
Bedford	Porter	Somerville line	33	....	....	30
Beech	Mass. Av	Elm	*60	560	1848	
Bell Court	Allston	Northerly	25	....	....	255
Bellevue Avenue	Raymond	East of Avon Hill	30	455	1889	
Bellevue Avenue	Raymond	Westerly	30	182	1895	
Belmont	Mt. Auburn	Belmont line	75	1183	1900	
Belmont Court	Dudley	Northerly	14	....	....	135
Belvidere Place	Green	Franklin	5	....	....	177
Bennet	Murray	University Rd	40	....	....	347
Bent	Commercial Av	Second	50	....	....	877
Bent	Third	Ninth	50	....	....	1555
Berkeley	Garden	Craigie	40	1240	1864	
Berkeley Place	Berkeley	Southerly	35	....	....	560
Berkshire	Bristol	Cambridge	40	1594	1896 1900	
Berkshire Place	Berkshire	Portland	15	....	....	300
Bigelow	Mass. Av	Harvard	40	920	1869	
Binney	Commercial Av	Third	50	1271	1897 1900	
Binney	Third	Ninth	50	1406	1907	
Binney	Ninth	Portland	50	828	1876	
Birch	Concord Av	Bay State Rd	50	426	1896	
Bird	Belmont	Thingvalla Av	40	....	......	316
Bismarck	Newman	beyond Gladstone	30	437	1909	
Blackstone	River	Western Av	50	844	1859	
Blair Place	Bolton	Southerly	35	....	....	182
Blake	Mass. Av	Orchard	40	408	1883	
Blanche	Mass. Av	Auburn	30	600	1902	
Blanche	Auburn	Southerly	30	....	....	34
Boardman	Harvard	Broadway	50	275	1872	
Boardman Place	Boardman	Easterly	6	....	....	100

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Bolton	Sherman	Westerly	25	978	1875	
Bolton	Sherman	Easterly	30	457	1905	
Bond	Concord Av	Garden	50	476	1882	
Bow	Mass. Av	Arrow	*40	235	1785	
Bow	Arrow	Mt. Auburn	45	720	1785	
Bowdoin	Hudson	Linnaean	40	805	1883 1908	
Boylston	Mass. Av	Charles River	60	1820	1895	
Boyson Place	Valentine	Northerly	10	....	....	75
Bradbury	Mt. Auburn	Sparks	20	....	....	567
Brattle	Mass. Av	Brown	60	3100	1635 to 1870	
Brattle	Brown	Craigie	60 70	275		
Brattle	Craigie	Riedesel Av	70	475		
Brattle	Riedesel Av	near Appleton	70 60	350		
Brattle	near Appleton	Mt. Auburn	60	3350		
Brattle Square	Brattle	Mt. Auburn	.....	....	1635	
Brewer	Mt. Auburn	Southerly	20	....	....	374
Brewster	Sparks	Appleton	35	742	1887 1890	
Bridge	Harbor line	Lechmere Sq	75	1389	1839	
Bridge	Lechmere Sq	Somerville line	50	1750	1870	
Brimmer Place	Burleigh	Munson	13	....	....	240
Bristol	Portland	Webster Av	40	504	1882	
Bristol	Webster Av	Hampshire	30	234	1874	
Bristol	Hampshire	Market	30	268	1900	
Broadway	Main	Cambridge	66	10150	1829	
Broadway Park	Common	Norfolk	.....	....	....	
Broadway Terrace	Broadway	Southerly	15	....	....	228
Brookford	Mass. Av	Railroad	40	477	1905	
Brookline	Mass. Av	Granite	40	3930	1824	
Brookline	Granite	Charles River	100	750	1902	
Brooks	Main	School	20	....	....	198
Brown	Brattle	Foster	30	490	1905	
Bryant	Francis Av	Irving	50	342	1906	
Buckingham	Craigie	Concord Av	40	1213	1866	
Buckingham Place	Buckingham	Easterly	30	....	....	235
Buena Vista Park	Upland Rd	Northerly	40	350	1896	
Buena Vista Park	Richdale Av	Southerly	30	180	1898	
Burleigh	Main	Broadway	40	810	1872	
Burns Court	Foster	Southerly	16	....	....	160
Butler Court	Plympton	Easterly	10	......	....	70
Cambridge	Bridge	Mass. Av	66	12000	1809	
Cambridge Common	Peabody	Waterhouse	......	....	....	
Cambridge Terrace	Buena Vista Pk	Richdale Av	40	533	1909	
Camden Place	Mt. Auburn	Northerly	16	....	....	140
Camelia Avenue	Cambridge	Line	40	....	....	500
Camp	Fair Oaks	Seven Pines	40	....	....	390
Cameron Avenue	Mass. Av	Seven Pines Av	60	568	1896	

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* Varies in width—lines not parallel.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Carleton	Deacon	Amherst	50	487	1902	
Carleton	Main	Deacon	40	....	....	167
Carlisle	Tremont	Prospect	40	263	1891	
Carver	Museum	Sacramento	40	496	1899	
Cedar	Mass. Av	Rindge Av	40	1554	1870	
Cedar Square	Cedar	Rice	......	....	....	
Central Place	Western Av	Northerly	20	....	....	100
Central Square	Mass. Av	Prospect	......	....	....	
Centre	Hancock	Dana	50	655	1848	
Channing	Brattle	Mt. Auburn	50	712	1871	
Channing Place	Brattle	Northerly	40 30	....	....	294 170
Chapman Place	Gerry	Brewer	20	....	....	135
Charles	Commercial Av	First	50	....	....	597
Charles	First	Sixth	50	1963	1857 1900	
Charles	Sixth	Ninth	50	....	....	581
Charlestown Av	Bridge	Charlestown line	50	1339	1839	
Chatham	Hancock	Dana	40	744	1859	
Chauncy	Mass. Av	Concord Av	45	1206	1863 1871	
Cherry	Main	Harvard	30	1095	1840 1892	
Cherry Court	Cherry	Easterly	12	....	......	177
Chester	Mass. Av	Somerville line	40	294	1870	
Chestnut	Pleasant	Sidney	40	1900	1874 1895	
Chestnut	Sidney	Waverly	40	....	....	374
Chestnut Park	Charles	Northerly	35	....	....	100
Chilton	Concord Av	Field	50	375	1896	
Chilton	Huron Av	Concord Av	40	....	....	1338
Church	Mass. Av	Brattle	30	677	1834	
Church Place	Cambridge	Southerly	6	....	....	66
Clarendon Avenue	Mass. Av	Somerville line	40	735	1907	
Clark	Main	School	40	198	1870	
Clark	School	Hampshire	30	1274	1840 1901	
Clark	Hampshire	Webster Av	30	117	1909	
Clark St. Place	Clark	Easterly	8	....	....	50
Clary	Prospect	Westerly	40	249	1910	
Clay	Rindge Av	Harvey	40	1361	1874	
Clement Circle	Sparks	Easterly	30	....	....	222
Cleveland	Ellery	Dana	30	300	1886	
Clifton	Rindge Av	Harvey	40	1363	1889 1902	
Clinton	Mass. Av	Harvard	30	860	1863	
Cogswell Avenue	Mass. Av	Fitchburg R. R.	40	930	1873	
Cogswell Place	Mead	Cogswell Av	20	....	....	514
Columbia	Mass. Av	Somerville line	45	4090	1813 1874	
Columbia Terrace	Columbia	Westerly	10	....	....	210

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Columbus Avenue	Mass. Av.	Madison	40	190	1907	
Columbus Avenue	Madison	Kimball	40	....	557	
Common	Harvard	Broadway	15	....	....	352
Commercial Avenue	First	Binney	60	646	1900	
Commercial Avenue	Binney	Canal	60	1537	1911	
Commercial Avenue	Canal	Bridge	60 63	369	1894 1902	
Concord Avenue	Waterhouse	Wellington	*50	10800	1829	
Conlons Court	Third	Easterly	20	....	....	210
Coolidge Avenue	Mt. Auburn	Southerly	*60	2220	1886	
Coolidge Avenue	Watertown line	Northerly	*33	1340	1850	
Coolidge Place	Mass. Av.	Northerly	20	....	....	170
Copley	Walden	Fayerweather	40	595	1896	
Corliss Place	Antrim	Westerly	10	....	....	80
Cottage	Pearl	River	40	981	1873 1882	
Cottage Court	Cottage	Southerly	10	....	....	130
Cottage Pk. Avenue	Mass. Av.	Fitchburg R. R.	40	324	1902	
Cottage Row	Green	Northerly	6	....	....	110
Cowperthwaite	Banks	Dewolfe	40	619	1874	
Crabbie	Richardson	Norfolk	20	....	....	110
Craigie Circle	Craigie	Northerly	30	....	....	208
Craigie	Concord Av.	Brattle	50	1272	1852	
Creighton	Mass. Av.	Southerly	40	665	1891	
Chescent	Oxford	Sacramento	30	660	1894	
Cresto Terrace	Gore	Northerly	10	....	....	65
Cross	Albany	Landsdowne	50	....	....	480
Crossland	Clark	Bristol	20	....	....	202
Cumnock Place	Mt. Auburn	Northerly	10	....	....	90
Cushing	Belmont	Huron Av.	40	1860	1880	
Cushing Court	Cushing	Westerly	30	....	....	570
Cutler Avenue	Huron Av.	Southerly	40	....	....	142
Cypress	Walden	Easterly	30	....	....	150
Dale	Concord Av.	Field	50	400	1896	
Dana	Mass. Av.	Cambridge	40	2015	1635 1864	
Dana Square	Lawrence	Lake	......	....	1856	
Danforth	Vassar	Amherst	60	....	....	571
Danforth	Amherst	Esplanade	60	241	1904	
Davenport	Mass. Av.	Elm	35	615	1877 1894	
Davis Court	Davis	Easterly	10	....	....	90
Davis	Harvard	Hampshire	30	490	1849	
Day	Mass. Av.	Somerville	40	348	1886	
Daye Court	Blackstone	Easterly	10	....	....	100
Deacon	Main	Carleton	30	....	....	230
Decatur	Brookline	Pearl	40	477	1874	
Decatur Court	Decatur	Southerly	10	....	....	124
Dewolfe	Mt. Auburn	Flagg	40	1375	1858 1886	

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* Varies in width—lines not parallel.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Dewolfe Place	Dewolfe	Westerly	12	....	....	73
Dickinson	Broadway	Davis	15	....	....	765
Dinsmore Court	Willard	Westerly	22	....	....	181
Divinity Avenue	Kirkland	Northerly	70	....	....	1100
Doane	Foster	Kenway	30	....	....	200
Dodge	Western Av	Grigg	30	218	1905	
Donnell	Concord Av	Garden	30	680	1889	
Douglass	Mass. Av	Austin	30	286	1872	
Douglass Court	Douglass	Westerly	18	....	....	122
Dover	Mass. Ave	Somerville	40	380	1886	
Drummond Place	Norris	Easterly	10	....	....	140
Dudley	Mass. Ave	Clifton	40	1706	1897 1902	
Dudley Court	Dudley	Northerly	14	....	....	134
Dunster	Mass. Ave	Mt. Auburn	40	364	1857	
Dunster	Mt. Auburn	South	30 34	500	1635	
East	Bridge	B. & M. R. R.	50	450	1829	
Eaton	Cherry	Pine	30	....	....	200
Edmunds	Mass. Av	Southerly	30	279	1912	
Eighth	Cambridge	Spring	40	624	1876 1896	
Eliot	Eliot Sq	Boylston	70	360	1870	
Eliot Square	Mt. Auburn	Murray	......	....	1635	
Ellery	Mass. Av	Cambridge	40	1907	1857 1869	
Ellsworth Avenue	Broadway	Cambridge	40	927	1861	
Ellsworth Park	Ellsworth Av	Easterly	30	227	1910	
Elm	Harvard	Somerville	40	2485	1873	
Elm	In Somerville	‡				
Elmer	Sands	Northerly	25	....	....	426
Elmwood Avenue	Brattle	Mt. Auburn	60	715	1635	
Emery Court	Binney	Southerly	20	....	....	100
Emily	Sidney	Brookline	40	....	....	442
Emmett Place	Sixth	Easterly	10	....	....	100
Emmons Place	Baldwin	Westerly	18	....	....	180
Endicott	Vassar	Esplanade	60	....	....	735
Ericsson	Belmont line	Thingvalla Av	40	....	....	47
Ericsson Court	Green	Northerly	6	....	....	95
Erie	Albany	Magazine	40	1900	1860 1899	
Essex	Mass. Av	Austin	31	280	1850	
Essex	Austin	Harvard	40	827	1836	
Essex Court	Essex	Westerly	13	....	....	80
Esten	Walden	Fenno	18	....	....	390
Eustis	Oxford	Somerville	40	666	1900	
Everett	Mass. Av	Oxford	50	848	1877	
Exeter Park	Mass. Av	Easterly	35	263	1904	
Fainwood Terrace	Fayette	Westerly	*25	....	....	423

‡ Elm Street in Somerville from White Street to Russell Street forms, with its southwesterly line, the city line between the two cities.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Fairfield	Rindge Av	Pemberton	40	610	1891	
Fairmont Avenue	Fairmont	Allston	30	430	1894	
Fairmont	Magazine	River	30	1167	1875 1876	
Fair Oaks	Cameron	Camp	40	240	1910	
Fairview Avenue	Oxford Av	Belmont line	50	207	1905	
Fairview Avenue	Oxford Av	Easterly	50	....	....	70
Fallon Place	Banks	Easterly	17	....	....	154
Farrar	Scott	Holden	40	575	1891	
Farwell Place	Brattle	Easterly	30	370	1844	
Fayerweather	Brattle	Vassal	48 50	310 1935	1863 1893	
Fayerweather	Vassal Lane	Concord Av	50	....	....	530
Fayerweather	Concord Av	Walden	50	962	1896	
Fayette	Broadway	Cambridge	40	1266	1848	
Fayette Park	Fayette	Westerly	20	....	....	110
Felton	Broadway	Cambridge	40	412	1871	
Fenno	Garden	Sherman	40	238	1891	
Fenno	Sherman	Easterly	40	363	1905	
Fern	Concord Av	Field	50	465	1896	
Field	Fayerweather	Bay State Rd	40	1234	1896	
Fifth	Winter	Charles	50	1712	1829 1873	
Fifth	Charles	Potter	50	....	....	1280
First	Cambridge	So. of Thorndike	50	600	1871 1874	
First	So. of Thorndike	Main	60	2600	1877 1894	
Fisk Place	Washington	Southerly	30	....	....	206
Flagg	Putnam	Dewolfe	40	664	1874	
Flagg St. Court	Flagg	Southerly	10	....	....	150
Florence	Magazine	Pleasant	40	493	1873	
Florence Place	Norfolk	Westerly	7	....	....	70
Follen	Concord Av	Waterhouse	30 40	940	1868	
Forest	Mass. Av	Somerville	40	916	1872	
Forest Park	Forest	Northerly	10	....	....	150
Forrest Place	Lambert	Westerly	5	....	....	50
Fort Washington	Waverly	Talbot	......	....	1775	
Foster	Willard	Lowell	40	1400	1874 1896	
Foster Place	Foster	Northerly	15	....	....	200
Fourth	Bridge	Charles	50	2159	1829 1883	
Fourth St. Place	Fourth	Westerly	10	....	....	80
Fowler	Vassar	Esplanade	60	....	....	677
Frances Place	Montgomery	Westerly	16	....	....	100
Francis Avenue	Kirkland	Bryant	45	867	1906	
Frank	Mass. Av	Somerville	40	480	1885	
Franklin	Sidney	Putnam Av	40	3890	1836 1873	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted Length	Accepted Date	Unaccepted Length
Franklin	Sidney	Landsdowne	40	429	1911	
Franklin Place	Franklin	Northerly	10	....	....	92
Fresh Pond Avenue	Lexington Av.	Vassal Lane	50	410	1887	
Fresh Pond Avenue	Concord Av.	Vassal Lane	100	830		
Fresh Pond Parkway	Huron Av.	Fresh Pond Pk.	40	520	1891	
Frisbie Place	Kirkland	Northerly	40	....	....	440
Front	Windsor	Mass. Av.	40	....	....	180
Frost	Roseland	Harris	40	755	1872 1882	
Frost Terrace	Mass. Av.	Easterly	20	....	....	130
Fuller Place	Hilliard	Westerly	30	....	....	160
Garden	Mass. Av.	Waterhouse	70	1278	1635	
Garden	Waterhouse	Chauncy	60	700	1635	
Garden	Chauncy	Linnaean	50 60	1311	1635	
Garden	Linnaean	Huron Av.	50	972	1865	
Garden	Huron Av.	Walden	40	1000	1874	
Garden	Walden	Field	40	1266	1896	
Garden Terrace	Garden	Westerly	30	....	....	250
Gardner	Tremont	Prospect	30	280	1871	
Garfield	Mass. Av.	Oxford	50	848	1882	
George	Montgomery	Clay	20	....	....	240
Gerry	Mt. Auburn	Charles River Rd.	20	....	....	375
Gibson	Mt. Auburn	Foster	40	....	....	484
Gilmore	Western Av.	Montague	40	....	....	748
Gladstone	Mass. Av.	Bismarck	30	257	1909	
Glenwood Avenue	Pearl	Magazine	40	476	1895	
Gordon Place	Florence	Southerly	25	....	....	206
Gore	Bridge	Somerville line	50	2524	1810	
Gore St. Place	Gore	Northerly	10	....	....	100
Gorham	Wendell	Northerly	40	....	....	174
Gorham	Wendell	Hammond	30	311	1901	
Gorham	Hammond	Museum	40	....	....	155
Granite	Brookline	Magazine	40	981	1899 1900	
Grant	Banks	Dewolfe	40	590	1874	
Gray	Martin	Linnaean	40	475	1882	
Gray Place	Harvard	Northerly	15	....	....	55
Granville Road	Huron Av.	Vassal Lane	40	....	....	513
Green	Landsdowne	Putnam Av.	40	4582	1830 1895	
Green	Putnam Av.	Westerly	40	....	....	212
Greenhalge	Vassar	Esplanade	60	....	....	556
Greenough Avenue	Highland Av.	Ellsworth Av.	40	306	1881	
Grigg	Howard	Putnam Av.	40	731	1877 1885	
Grotto Place	Moore	Westerly	15	....	....	50
Grove Avenue	Allston	Putnam Av.	30	....	....	300
Groveland Road	Rindge Av.	F. R. R.	40	....	....	770
Gurney	Huron Av.	Fayerweather	40	585	1905	
Hadley	Mass. Av.	Northeasterly	30	330	1909	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Hamilton	Magazine	Pearl	40	451	1866	
Hamilton	Pearl	Brookline	40	492	1875	
Hamilton	Brookline	Sidney	40	....	....	400
Hamlin	Plymouth	York	40	217	1900	
Hammond	Oxford	Carver	40	1135	1893	
Hampshire	Broadway	Somerville line	66	4410	1842	
Hampshire Court	Hampshire	Cambridge	12	....	....	190
Hampshire Place	Hampshire	Northerly	18	....	....	122
Hancock	Mass. Av	Broadway	40	1191	1841 1859	
Hancock	Mass. Av	Franklin	26	470	1874	
Hancock	Franklin	Kinnaird	30	164	1905	
Hancock Park	Hancock	Easterly	24	....	....	125
Hancock Place	Hancock	Easterly	20	....	....	94
Harding	Cambridge	Somerville	40	550	1874	
Hardwick	Portland	Berkshire	40	300	1900	
Harold Place	Cherry	Westerly	12	....	....	85
Harrington Place	Washington	Northerly	12	....	....	50
Harris	Prentiss	Eustis	30	....	....	426
Harrison	Main	Washington	30	378	1873	
Harrison Avenue	Columbus Av	Whittemore Av	40	....	....	451
Harvard	Main	Mass. Av	50	8400	1808 1825	
Harvard Place	Harvard	Northerly	20	....	....	180
Harvard Square	Boylston	Peabody	......	....	1635	
Harvey	Cedar	F. R. R.	30	760 950	1894 1895	
Harvey	Cedar	Mass. Av	40	125	1904	
Haskell	Mass. Av	Rindge Av	40	503	1893	
Hastings	B. & A. R.R.	Moore	30	1143	1873	
Hastings Avenue	Phillips Pl	Berkeley	25	....	....	527
Hastings Square	Henry	Chestnut	40	300	1882	
Hawthorn	Brattle	Mt. Auburn	40	622	1880	
Hawthorne Ave	Fresh Pond Pkwy	Huron Av	45	....	....	1036
Hayes	Putnam Av	Howard	30	698	1895	
Hayward	Main	Amherst	40	505	1902	
Hazel	Field	Garden	40	258	1896	
Healey	Parker	Buckingham	40	....	....	430
Henderson Court	Day	Southeasterly	15	....	....	251
Henry	Pearl	Sidney	40	903	1882	
Henry	Sidney	Waverly	40	420	1884	
Herbert	Richdale Av	Cambridge Ter	30	196	1909	
Hews	Western Av	Grigg	40	282	1895	
High	Holworthy	Park Av	40	506	1896	
Highland Avenue	Broadway	Cambridge	40	1042	1872	
Highland Park	Highland Av	Easterly	30	....	....	150
Highland	Reservoir	Appleton	40	643	1870	
Highland	Appleton	Sparks	40	704	1887	
Hilliard	Brattle	Mt. Auburn	30	553	1851	
Hilliard Place	Hilliard	Westerly	15	....	....	138
Hillside Avenue	Washington Av	Avon Hill	40	350	1882	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Hillside Place	Avon Hill	Easterly	20	....	....	150
Holden	Kirkland	Farrar	40	273	1891	
Holden	Farrar	Scott	40	410	1901	
Hollis Park	Hollis	Westerly	30	....	....	160
Holly Avenue	Madison	Huron Av	30	376	1876	
Hollis	Mass. Av	Rindge Av	30	738	1890	
Holly	Clark	Brooks	15	....	....	192
Holmes	Park Av	Holworthy	40	378	1896	
Holmes Place	Mass. Av	Kirkland	30	465	*	
Holworthy	Mt. Auburn	Fountain Ter.	50	1315	1880	
Holworthy Place	Holworthy	Park Av	20	....	....	488
Holyoke	Mass. Av	South	31	748	1798	
Holyoke	South	Mill	22	144	1898	
Holyoke Place	Mt. Auburn	Holyoke	30	....	....	372
Homer Avenue	Mt. Auburn	Northerly	40	650	1889	
Houghton	Prospect	Somerville	40	36	1907	
Hovey Avenue	Cambridge	Northerly	40	....	....	579
Howard	Western Av	Kinnaird	40	814	1874	
Howard	River	Western Av	40	478	1880	
Howland	Hammond	Wendell	40	272	1894	
Hubbard Avenue	Walden	Raymond	40	760	1883 1892	
Hubbard Park Road	Brattle	Sparks	40	765	1910	
Hudson	Mass. Av	Hudson Pl	28	430	1876	
Hudson Place	Hudson	Northerly	14	....	....	94
Humboldt	Linnaean	Lancaster	30	360	1887	
Hunting	Cambridge	Somerville	40	540	1874	
Hurlbut	Martin	Linnaean	40	437	1882	
Huron Avenue	Raymond	Upland Rd	40	405	1894	
Huron Avenue	Upland Rd	Concord Av	50	1176	1894	
Huron Avenue	Concord Av	Fresh Pond Pkwy.	70	3851	1892	
Huron Avenue	Fresh Pond Pkwy.	E. line F. R. R.	70	982	1891	
Huron Avenue	E. line F. R. R.	Cushing St	70	1430	1894	
Huron Avenue	Cushing	Grove	70 40	1540	1880	
Huron Avenue	Grove	Concord Av	40	2120	1880	
Hutchinson	Appleton	Walden	40	....	....	420
Hutchinson	Vassar	Esplanade	70	....	....	470
Inman	Hampshire	Broadway	40	1325	1855	
Inman	Broadway	Harvard	37	390	1890	
Inman	Harvard	Austin	37	625	1857	
Inman	Austin	Mass. Av	35	350	1830	
Inman Place	Inman	West Pl	35	184	1900	
Inman Place	West Pl	Broadway Ter	15	....	....	174
Inman Square	Cambridge	Hampshire	......	....	1876	
Irving	Broadway	Kirkland	40	1374	1871	
Irving	Kirkland	Bryant	50	775	1889	
Irving Terrace	Irving	Summer	30	....	....	410
Ivy	Fayerweather	Garden	40	252	1896	
Jackson	Rindge Av	Harvey	40	1367	1902	
James	Brattle	Mason	40	212	1871	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Jarvis	Mass. Av	Oxford	50	....	....	849
Jay	River	Kinnaird	40	1016	1874 1881	
Jay Street Place	Jay	Easterly	10	....	....	80
Jefferson	Warren	Harding	34	620	1874	
Jordan Place	Broadway	Southerly	20 30	....	....	110 380
Kelley Square	Bridge	Gore	......	....	1900	
Kendall Square	Main	Broadway	......	....	1856	
Kennedy Road	Brattle	Northerly	30	....	....	302
Kenway	Doane	Gibson	30	....	....	215
Kenwood	Putnam Av	Allston	30	310	1901	
Kenwood	Allston	Northerly	30	....	....	100
Kimball	Columbus Av	Whittemore	40	....	....	416
King	Walden	Easterly	30	....	....	110
King Place	Amory	Westerly	30	....	....	150
Kingsley Park	Fresh Pond	F. R. R				
Kinnaird	Pleasant	Bay	40	1614	1872 1874	
Kinnaird	Bay	Putnam Ave	35	503	1874	
Kirkland	Peabody	Somerville	66	2986	1635	
Kirkland Place	Kirkland	Northerly	30	....	....	500
Kirkland Road	Kirkland	Southerly	30	230	1898	
Lafayette Square	Columbia	Mass. Av	......	....	1881	
Lake	Pearl	Magazine	40	440	1874	
Lake View Avenue	Brattle	Fresh Pond Av	50	2940	1874	
Lambert	Gore	Cambridge	30	370	1874	
Lamont Avenue	Magnolia Av	Southerly	30	....	....	150
Lamson Pl	Essex	Easterly	20	....	....	144
Lancaster	Mass. Av	Washington Av	30 40	446 520	1883 1887	
Langdon	Mass. Av	Chauncy	40 60 30	225 275 225	1898 1898 1898	
Langdon Square	Langdon	....	......	....	1898	
Landsdowne	Mass. Av	Green	50	257	1895	
Landsdowne	Green	Pacific	50	....	....	983
Larch Road	Brattle	Wyeth Ter	40	2196	1883	
Laurel	Pleasant	River	30	304	1904	
Lawn Court	Oxford Av	E. of May	40	....	....	585
Lawn	Cushing	May	30	....	....	490
Lawrence	Pearl	Magazine	40	447	1873	
Lechmere Square	Bridge	Cambridge	......	....	1635	
Lee	Mass. Av	Broadway	45	1215	1809	
Leighton Court	East	Westerly	30	....	....	200
Leonard Avenue	Cambridge	Line	40	685	1895 1910	
Lexington Avenue	Brattle	Fresh Pond Av	45	2637	1874	
Lilac Court	Portland	Westerly	16	....	....	120
Lincoln	Willow	Elm	40	757	1873 1900	

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* Partly in Somerville.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Lincoln Place	Lincoln	Northerly	20	....	....	150
Linden	Mass. Av	Mt. Auburn	25	371	1803	
Line	Kirkland	Cambridge	33	1835	1902	*
Linehan Court	Third	Westerly	10	....	....	107
Linnaean	Mass. Av	Garden	50	2183	1724	
Linwood Place	Broadway	Northerly	20	....	....	80
Livermore Place	Union	Westerly	18	....	....	114
Locke	Meacham Rd	beyond Frank	30	693	1892	
Locust	Holworthy	Cushing	40	295	1880	
Locust Court	Locust	Northerly	20	....	....	190
Longfellow Park	Brattle	Mt. Auburn				
Lopez	Brookline	Pearl	40	475	1874	
Loughrey Avenue	Pioneer	Pelham	12	....	....	200
Lowell	Brattle	Mt. Auburn	40	887	1884	
Lowell Park	Brattle	Mt. Auburn				
Lowland Avenue	Spring	Charles	20	400	1906	
Madison	Concord Av	Garden	30	693	1904	
Madison Av	Columbus Av	Whittemore Av	40	617	1907	
Magazine	Central Sq	Granite	50	3670	1845 1895	
Magazine Court	Allston	Kenwood	20	....	....	260
Magee	Putnam Av	Grigg	40	778	1877 1897	
Magnolia Avenue	Baldwin	Line	40	668	1896	
Magoun	Mass. Av	Whittemore Av	40	675	1901	
Main	W. Boston bridge	Broadway	105 116	720 600	1855 1855	
Main	Broadway	Mass. Av	70	4430	1855	
Manassas Avenue	Concord Av	Huron Av	24	510	1908	
Malcolm Road	Lake View Av	Standish	40	....	....	300
Maple Avenue	Broadway	Cambridge	40	1152	1862	
Marcella Court	Marcella	Northerly	15	....	....	85
Marcella	Portland	Berkshire	40	300	1901	
Marie Avenue	Maple Av	Highland Av	35	299	1906	
Marion	Cambridge	Jefferson	30	350	1887	
Market	Broadway	Elm	42	1450	1852	
Marney	Portland	Berkshire	40	300	1898	
Martin	Mass. Av	Bowdoin	40	344	1882	
Martin	Bowdoin	Avon	35	514	1894	
Marvin Place	Columbia	Easterly	12	....	....	80
Mason	Brattle	Garden	50	606	1635	
Mass. Avenue	Harvard Bridge	Columbia	90	3314	1889	
Mass. Avenue	Columbia	Pleasant	103	1725	....	
Mass. Avenue	Pleasant	Putnam Av	103 63	2590	1635	
Mass. Avenue	Putnam Av	Harvard	63	960	1635	
Mass. Avenue	Harvard	Harvard Sq	70	1100	1635	
Mass. Avenue	Harvard Sq	Everett	66 160	2390	1635	
Mass. Avenue	Everett	Alewife Brook	98 100	9650	1635	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
May	Lawn Ct.	N. of Vineyard	40	....	....	455
Maynard Place	Mt. Auburn	Northerly	20	....	....	283
McDonald	Mt. Auburn	Aberdeen	40	....	....	1100
McDonnell Court	Reed	Westerly	15	....	....	100
McLean Place	Cedar	Westerly	30	....	....	120
Meacham Road	Mass. Av.	Locke	40	413	1880	
Mead	Walden	Cogswell Av.	40	340	1873	
Mechanic Square	Hampshire	Broadway	.....	....	1900	
Mellen	Mass. Av.	Oxford	50	845	1873	
Mercer Circle	Brattle	Sparks	40	445	1885	
Merriam	Sidney	Waverly	40	....	....	358
Merrill	Broadway	Chatham	35	210	1909	
Middlesex	Rindge Av.	Wilson Av.	40	308	1895	
Middlesex	Wilson Av.	Pemberton Rd.	40	601	1905	
Middlesex	Pemberton Rd.	F. R. R.	40	....	....	194
Mifflin Place	Mt. Auburn	Northerly	25	....	....	196
Mill	Dewolfe	Holyoke	35	686	1874	
Miller Avenue	Orchard	Elm	24	336	1907	
Milton	Mass. Av.	Somerville	31.67	287	1893	
Montague	Western Av.	River	40	....	....	673
Montgomery	Rindge Av.	Harvey	40	1360	1896	
Moore	Main	Broadway	30	1080	1840 1875	
Morrison Court	Yorktown	Westerly	20	....	....	115
Mt. Auburn	Putnam Sq.	Brattle Sq.	50	2426	1635	
Mt. Auburn	Brattle Sq.	Bath	70	1221	1635	
Mt. Auburn	Bath	Elmwood Av.	66	3365	1635	
Mt. Auburn	Elmwood Av.	Watertown line	63 to 125	3380	1635	
Mt. Auburn Place	Mt. Auburn	Southerly	12	....	....	110
Mt. Pleasant	Upland Rd.	Walden	40	584	1877	
Mt. Vernon	Mass. Av.	Upland Rd.	50	802	1884	
Mullens Court	Winter	Southerly	20	....	....	100
Munroe	First	Third	50	1094	1902	
Munroe	Third	Sixth	50	896	1890	
Munson	Washington	Harvard	30	....	....	300
Murdock	Hampshire	Gardner	16	....	....	426
Murray	Eliot Sq.	Charles River Rd.	50	....	....	810
Museum	Carver	Somerville	40	180	1902	
Museum	Gorham	Carver	40	....	....	632
Myrtle Avenue	Magnolia Av.	Kirkland	30	515	1893	
Myrtle Place	Moore	Westerly	10	....	....	50
Neil	Jackson	Clifton	20	....	....	240
New	Concord Av.	Northerly	40	700	1874	
Newman	Mass. Av.	Bismarck	30	257	1909	
Newton	Chestnut	Putnam Av.	40	....	....	300
Niagara	Lawrence	Lake	40	200	*	
Nichols Place	Baldwin	Westerly	13 17	....	....	115 72
Ninth	Cambridge	Vine	50	1004	1876 1896	

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* No formal acceptance.

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Ninth	Vine	Charles	50	250	1912	
Ninth	Charles	Binney	50	....	....	700
Ninth	Binney	Potter	50	327	1882	
Norcross	Wood	Easterly	40	....	....	363
Norfolk	Mass. Av	Somerville line	40	3710	1809 1874	
Norfolk Court	Norfolk	Elm	20	....	....	215
Norfolk Place	Norfolk	Westerly	10	....	....	60
Norman	Belmont	Northerly	40	....	....	215
Norris	Mass. Av	Cedar	40	663	1883	
North	Water	East	50	740	1829	
Norton Place	Martin	Southerly	12	....	....	85
Norton Square	Windsor	Lincoln				
Norumbega	Belmont	Northerly	40	....	....	210
Nutting Place	Mt. Auburn	Southerly	30	260	1896	
Oak	Cambridge	Somerville	30	270	1883	
Oak Circle	Oak	East'ly & North'ly	30	350	1904	
Olive Place	Montgomery	Westerly	15	....	....	100
Oliver	Huron Av	Orrin	30	360	1886	
Orchard	Davenport	Russell	40	1312	1859 1865	
Orrin	Garden	Winslow	30	295	1886	
Osborn	Main	State	40	227	1893	
Osborn	State	Albany	35	465	1895	
Otis	First	Sixth	50	1900	1831 1876	
Otis	Sixth	Ninth	40	445	....	
Otis	Ninth	Westerly	40	123	1909	
Otis	B. & A. R.R	Easterly	40	....	....	77
Otter	Cowperthwaite	Dewolfe	40	160	1874	
Oxford	Kirkland	Somerville	50	3480	1847 1872	
Oxford Avenue	Fairview Av	Belmont line	40	285	1905	
Oxford Avenue	Fairview Av	Easterly	40	....	....	72
Pacific	Albany	Brookline	40	1283	1875 1902	
Palermo	Willow	Windsor	40	312	1898	
Palmer	Brattle	Church	25	....	....	337
Park	Magazine	Pleasant	40	513	1876	
Park Avenue	Huron Av	Holworthy	50	956	1896	
Parker	Concord Av	Buckingham	40	723	1891	
Parnell	Cambridge	Otis	25	....	....	200
Peabody	Harvard Sq	Kirkland	66	440	1886	
Pearl	Mass. Av	Granite	40	3840	1822 1871	
Pearl St. Place	Pearl	Easterly	20	....	....	70
Pearl Terrace	Pearl	Easterly	30	360	1911	
Pelham	Broadway	Main	30	....	....	352
Pemberton	Rindge Av	Sherman	40 30	2520	1891 1909	
Pemberton Court	Pemberton	Southerly	20	....	....	110

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Pemberton Terrace	Pemberton	Easterly	15			100
Percy Place	Essex	Easterly	20			145
Perry	Pearl	Magazine	40	448	1873	
Peters	Allston	Putnam Av	40	301	1896	
Phillips Place	Mason	Berkeley	35 30			406
Pilgrim	Brookline	Sidney	40	500	1893	
Pilgrim	Sidney	Landsdowne	40			288
Pine	School	Harvard	30	1008	1840 1845	
Pioneer	Main	Broadway	30	250	1903	
Pioneer Avenue	Broadway	Pelham	12 20			434 66
Pleasant	Mass. Av	Florence	40	3340	1845 1873	
Pleasant	Florence	Charles River Rd.	40	400	1900	
Pleasant Place	Pleasant	Easterly	30			355
Plymouth	Portland	Hampshire	40	1068	1883 1894	
Plympton	Mass. Av	Bow	30	365	1803	
Plympton	Bow	Riverview Av	40	616	1890	
Plympton Place	Plympton	Westerly	10			120
Pond Place	Putnam Av	Easterly	10			60
Porter Circle	Porter Rd	Northerly	25			100
Porter Park	Porter Rd	Southerly	20			120
Porter Road	Mass. Av	Westerly	40	847	1900	
Porter Square	Mass. Av	Somerville Av			1896	
Porter	Warren	Harding	34	641	1874	
Portland	Albany	Cambridge	50	3833	1872 1875	
Portsmouth	Webster Av	Hampshire	40	327	1892	
Potter	Third	Sixth	50			866
Potter	Sixth	Ninth	50	396	1882	
Potter Park	Linnaean	Southerly	25			160
Prentiss	Mass. Av	Frost	30	413	1898	
Prentiss	Frost	Somerville line	40	710	1879 1900	
Prescott	Harvard	Cambridge	40	1060	1858 1886	
Prince	Magazine	Pleasant	30	530	1870	
Princeton Avenue	Mass. Av	Esplanade	100			4220
Prospect	Mass. Av	Somerville	50	3330	1804 1873	
Purrington	Cross	Pacific	50			862
Putnam Avenue	Mass. Av	Western Av	40	2025	1840	
Putnam Avenue	Western Av	Pleasant	50	1530	1873	
Putnam Avenue	Pleasant	B. & A. R.R.	40	2373	1876	
Putnam Court	Putnam Av	Southerly	30			110
Putnam Square	Mt. Auburn	Mass. Av			1893	
Quincy	Quincy Sq	Kirkland	40	1406	1853	
Quincy Square	Quincy	Mass. Av			1876	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Raymond	Linnacan	Richdale	40	2544	1856 1896	
Reardon	Waverly	Anglim	30	....	....	265
Reed	Rindge Av.	Harvey	40	1358	1874	
Reed St. Court	Reed	Montgomery	7	....	....	240
Regent	Mass. Av.	Fitchburg R. R.	40	500	1877	
Remington	Mass. Av.	Harvard	40	361	1861	
Reservoir	Fayerweather	Vassal Lane	50	1666	1863	
Revere	Mt. Auburn	Gerry	15	....	....	254
Rice	Mass. Av.	Rindge Av.	40	983	1864	
Rice Circle	Rice	Southerly	21	....	....	150
Richardson	Norfolk	Elm	20	....	....	220
Richdale Avenue	Upland Rd.	Raymond	40 45	975 1188	1885 1893	
Riedesel Avenue	Brattle	Brewster	35	350	1890	
Rindge Avenue	Mass. Av.	Cedar	50	1650	1870	
Rindge Avenue	Cedar	L. & A. R.R.	40	3450	1870	
Rindge Park	Groveland	Yerxa Rd.				
Rindge Terrace	Rindge Av.	Northerly	20	....	....	110
Rindgefield	Rindge Av.	Hollis	32.5	475	1911	
River	Central Sq.	Charles River	50	3490	1858	
Riverside Place	Western Av.	Northerly	20	....	....	120
Riverview Avenue	Dewolfe	Westerly	35	625	1874	
Rockingham	Henry	Granite	40	380	1885	
Rockingham Place	Rockingham	Easterly	18	....	....	120
Rockwell	Pleasant	River	30	383	1895	
Rogers	First	Ninth	50	....	....	2468
Rogers Court	Portland	Burleigh	35	....	....	255
Rollins Court	Watson	Southerly	10	....	....	130
Roseland	Mass. Av.	Somerville	40	576	1862	
Royal Avenue	Huron Av.	Concord Av.	40	540	1902	
Russell	Mass. Av.	Somerville	40	280	1859	
Rutland	Shepard	Langdon	40	336	1903	
Sacramento	Mass. Av.	Somerville	40	1725	1854	
Sacramento Place	Sacramento	Northerly	24	....	....	245
Saginaw Avenue	Elm	Davenport	25	....	....	275
St. Clair Place	Mass. Av.	Southerly	10	....	....	150
Saint Paul	Prospect	Westerly	30 35	....	....	285 200
Salem	Auburn	Watson	27	260	1877	
Sands	Putnam Av.	Banks	40	323	1875	
Sargent	Rindge Av.	Railroad	30	841	1900	
Saville	Appleton	Walden	40	357	1893	
Saville	Walden	Fayerweather	40	....	....	380
School	Portland	Windsor	40	885	1872 1889	
School	Windsor	Austin	30	640	1845	
School St. Place	School	Northerly	12	....	....	60
Scott	Irving	Somerville line	50	929	1889	
Seckel	Webster Av.	Windsor	30	275	1887	
Second	Gore	Athenaeum	50	2755	1829 1902	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Second St. Court...	Second..........	Easterly..........	20	....	....	100
Seven Pines Av.....	Cameron..........	Yorktown..........	40	321	1907	
Seventh............	Gore............	Cambridge.......	30	265	1897	
Seventh............	Cambridge.......	Spring..........	40	703	1876 1895	
Shepard............	Mass. Av........	Garden..........	40	1500	1852	
Sheridan............	Raymond........	Wood...........	40	....	....	505
Sheridan Square....	Cedar...........	Rindge Av......	......	....	1897	
Sherman............	Huron Av.......	Rindge Av......	40	3630	1860 1872	
Short...............	Bridge..........	North...........	40	200	1829	
Sibley Court........	Sparks..........	Westerly.........	15	....	....	160
Sidney..............	Mass. Av........	Henry...........	40	3592	1873 1900	
Sixth...............	Gore............	Main............	50	3620	1829 1874	
Smart..............	State............	Mass. Av.......	30	....	....	425
Smith Place........	Concord Av.....	Northerly........	30	....	....	900
Soden..............	Western Av.....	Franklin.........	40	463	1874	
Soden Place........	Soden...........	Westerly.........	10	....	....	80
Somerville Avenue..	Somerville line...	Porter Sq.......	70 120	440	1872	
South...............	Holyoke.........	Boylston.........	21	446	1635	
Sparks..............	Mt. Auburn.....	Huron Av.......	40	2445	1850 1893	
Spring..............	First............	Ninth...........	50	2425	1835 1900	
Spring Place........	Spring...........	Northerly........	5	....	....	260
Springfield..........	Cambridge.......	Somerville line..	40	226	1876	
Spruce Avenue.....	Holworthy.......	Cushing.........	30	....	....	340
Squires Place.......	Gore............	Southerly........	20	....	....	220
Standish...........	Huron Av.......	Vassal Lane.....	40	....	....	935
State...............	Mass. Av........	Osborn..........	40	930	1813 1891	
Stearns.............	Garden..........	E. of Sherman....	40	606	1903	
Stevens Court......	Fourth..........	Westerly.........	15	....	....	150
Stiles...............	Banks...........	Charles River Rd..	40	....	....	258
Stinson Court.......	Somerset........	Southerly........	12	....	....	175
Story...............	Brattle..........	Mt. Auburn.....	33	470	1865	
Suffolk.............	Columbia........	Norfolk.........	30	520	1834	
Sullivan Place.....	River...........	Northerly........	10	....	....	220
Summer............	Prospect.........	Inman...........	30	500	1876 1884	
Sumner.............	Cambridge.......	Kirkland.........	40	580	1844	
Surrey.............	Putnam Av......	Banks...........	40	280	1885	
Sycamore..........	Walden..........	Easterly.........	30	....	....	150
Talbot..............	Waverly.........	B. & A. R.R......	30	203	1879	
Tannery............	Mass. Av........	Almshouse.......	30 40	600	1891	
Tech...............	Ames............	Vassar..........	50	....	....	1100
Temple.............	Mass. Av.......	Austin..........	36	284	1865	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Tenney	Orchard	Elm	24	373	1907	
Thingvalla Avenue	Cushing	Belmont line	40	....	....	816
Third	E. C. Depot	Bridge St	45	....	....	120
Third	Bridge St	Cambridge	50	495	1829	
Third	Cambridge	Charles	50	1458	1832	
Third	Charles	Broad Canal	60	1517	1832	
Third	Broad Canal	Main	50	352	1832	
Third St. Court	Third	Broadway	25	....	....	260
Thorndike	First	B. & A. R.R.	50 40	1900 860	1829 1898	
Thornton Terrace	Portland	B. & A. R.R.	40	....	....	210
Topliff Court	Boylston	Easterly	20	....	....	200
Torrington Place	Washington	Northerly	15	....	....	150
Traill	Mt. Auburn	Elmwood Av	40	460	1892	
Traymore	Eustis	Harris	30	255	1900	
Tremont	Broadway	Somerville line	40	2050	1851 1874	
Trowbridge	Mass. Av	Kirkland	40	2690	1871 1884	
Trowbridge Place	Trowbridge	Westerly	30	....	....	180
Trowbridge Terrace	Trowbridge	Easterly	15	....	....	100
Tudor Park	Fresh Pond Av	Fresh Pond	.....	....	1880	
Tudor	Brookline	Sidney	40	....	....	456
Tufts	Magazine	Pearl	40	472	1874	
Tuttle	Donnell	Huron Av	30	596	1905	
Tyler Court	Mass. Av	Southerly	20	....	....	210
Union	Market	Lincoln	30	993	1873 1877	
Union Place	Union	Westerly	16	....	....	110
Union Terrace	Union	Westerly	16	....	....	105
University Road	Mt. Auburn	CharlesRiver Rd.	40 35	....	....	200 490
Upland Road	Mass. Av	Huron Av	50	2944	1881 1894	
Upton	Magazine	Pleasant	40	499	1873	
Valentine	Brookline	Pearl	40	484	1877	
Vandine	Portland	Berkshire	25	300	1909	
Van Norden	Middlesex	Yerxa Rd	40	338	1903	
Vassal Lane	Huron Av	Lake View Av	40	2200	1888	
Vassar	Mass. Av	Main	60	....	....	1540
Vassar	Mass. Av	Danforth	50	508	1895	
Vassar	Danforth	Princeton Av	50	....	....	2500
Vernon	Mass. Av	Green	40	205	1874	
Village	State	Mass. Av	20	....	....	220
Vincent	Upland Rd	Walden	40	357	1889	
Vine	First	Sixth	50	1500	1849 1900	
Vine	Sixth	Westerly	50	....	....	80
Vineyard	Cushing	May	40	365	1876	
Wadsworth	Main	Esplanade	40	661	1902	
Walden Park	Walden	Westerly	30			85

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics.*

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Walden	Mass. Av	F. R. R	40	830	1860	
Walden	F. R. R	Vassal Lane	50	3900	1860	
Walker	Garden	Linnaean	40	1680	1875 1894	
Walker Court	Flagg	Southerly	20			160
Walker St. Place	Walker	Southerly	30			80
Walker Terrace	Walker	Southerly	12			120
Walnut Avenue	Arlington	Upland Rd	70	476	1882	
Ware	Harvard	Broadway	40	690	1880	
Warland	Magazine	River	40	752	1867 1902	
Warren	Cambridge	Somerville line	40	485	1874	
Warren Place	Banks	Westerly	10			120
Warwick Park	Pemberton	Easterly	35	180	1911	
Washburn Avenue	Mass. Av	Somerville line	30 40	685	1911	
Washburn Terrace	Washburn Av	Easterly	20			160
Washington Avenue	Linnaean	Upland Rd	50	1190	1882 1888	
Washington Court	Washington	Northerly	15			150
Washington Square	Waverly	Talbot			1775	
Washington	Main	Windsor	40	1600	1836 1845	
Washington	Windsor	Norfolk	30	1240	1836 1847	
Water	Bridge	North	50	250	1829	
Water	North	Mystic River	50			350
Waterhouse	Garden	Mass. Av	54	710	1724	
Watson	Brookline	Pearl	40	460	1873	
Waverly	Henry	Putnam Av	40			423
Waverly	Putnam Av	Erie	40	800	1879	
Waverly	Erie	Pacific	40 50	967	1912	
Webster Avenue	Hampshire	Somerville line	50	2680	1809 1880	
Wellington	Concord Av	Belmont	40	1330	1880	
Wendell	Mass. Av	Oxford	50	986	1873	
Wendell	Oxford	Carver	40	765	1894	
West Place	Broadway	West	15			230
West	Inman	Lee	37	585	1900	
Westacott Court	Putnam Av	Northerly	14			114
Westley Avenue	Harvey	Fitchburg R. R	30			160
Western Avenue	Mass. Av	Charles River	66	3344	1855	
White	Somerville Av	Elm	30	603	1885 1893	
Whitney Avenue	Putnam Av	Chestnut	30	300	1891	
Whitney Court	Essex	Easterly	10			80
Whittemore Avenue	Magoun	Harrison Av	40	731	1906	
Whittemore Avenue	Harrison	Kimball	40			299
Whittier	Upland Rd	Walden	40	362	1889	
Wilbur	Harvey	Southerly	40	400	1903	

LIST OF STREETS AND WAYS—*Continued*

Accepted Streets in Roman. Unaccepted Streets in *Italics*.

Street Names	From	To	Width	Accepted		Unaccepted Length
				Length	Date	
Willard	Brattle	Mt. Auburn	40	786	1874	
Willard St. Court	Willard	Easterly	20	....	....	200
William	Pearl	River	40	832	1857 1875	
Willow	Webster Av	Somerville	40 30	978 530	1896 1874	
Wilson Avenue	Middlesex	Easterly	40	....	....	165
Windsor	Mass. Av	School	40	730	1891	
Windsor	School	Webster Av	50	2745	1809	
Windsor	Webster Av	Cambridge	50	430	1848	
Windsor	Cambridge	Northerly	38	317	1891	
Windsor	Extension to	Somerville line	38	123	1907	
Winslow	Orrin	Upland Rd	30	780	1886	
Winter	Third	Fifth	50	980	1848 1859	
Winter St. Place	Winter	Northerly	20	....	....	100
Winthrop	Holyoke	Eliot Sq	20 30	....	....	196 516
Winthrop Square	Boylston	Mt. Auburn	40	....	1635	135
Wood	Walden	Sheridan	40	....	....	375
Woodbridge	Mass. Av	Locke	40	375	1892	
Worcester	Columbia	Norfolk	32	480	1873	
Worthington	Lake View	Lexington	50	305	1894	
Wright	Hudson	Martin	30	283	1901	
Wyeth Square	Huron Av	Garden	......	....	1888	
Wyeth Terrace	Lexington	Fresh Pond Pkwy.	40 45	690	1895	
Wyman	Avon Hill	Raymond	40	165	1900	
Wyman Square	Huron Av	Sparks	......	....	....	
Yerxa Road	Rindge Av	F. R. R.	40	....	....	867
York	Webster Av	Berkshire	40	510	1896	
York	Berkshire	Portland	*16	....	....	299
Yorktown	Mass. Av	Seven Pines Av.	40	560	1903	
Yorktown Court	Yorktown	Westerly	20	....	....	122
Total	....	....		525582		119898

Length of accepted streets, April 1, 1912, 103,612 miles
Length of unaccepted streets, 18,350 "

Total length of streets and ways, 121,962 "

Also the following Park roadways:—

Charles River Road, Main St. to Mt. Auburn St., 40 feet wide,	17650 ft.
Charles River Road, Main St. to Greenhalge St., 30 feet wide,	6400 "
Pearl and Magazine St. extensions,	710 "
Fresh Pond Park roadways,	15500 "
Fountain Terrace,	480 "
Fresh Pond Pkwy., Mt. Auburn St. to Huron Av. (Metropolitan Pkwy.)	2700 "
Total,	43440 " or 8.227 miles

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* Varying width—lines not parallel.

REPORT OF
BOARD OF CEMETERY COMMISSIONERS

Cambridge, April 1st, 1912.

To the Honorable, the City Council of the City of Cambridge:—

The Board of Commissioners of Cambridge Cemetery respectfully submits its fifty-eighth (58th) Annual Report, the same being for a twelve months' period ending March 31st, 1912.

The amounts appropriated for the use of the department during the past season were as follows:

General Expenses	$2,109.00
Salaries	16,450.00
Grading and Office Building (special)	8,000.00

There was expended during the year the following amounts, to wit:

General Expenses	$2,107.29
Salaries	16,374.92
Grading and Office Building	4,026.78

Of the foregoing amount expended under title of "Grading and Office Building," only $39.73 was chargeable on account of Office Building, being the cost of advertising for proposals for construction. The remainder of the expenditure, $3,987.05, was utilized in grading the Greenwood avenue section.

For a detailed account of expenditures reference is made to the City Auditor's report.

The Board is pleased to note that the unusually large receipts for the season of 1910-11 were exceeded by those of the year just closed. Evidently our citizens have become aroused to the fact that our Cemetery is a most suitable and desirable place for its purpose, and the demand for lots has resulted in an excess over last season's receipts of almost $1,600.

The results have borne out the impressions of this Board that sales would be made if an opportunity would be given for a choice of lots and justifies the special efforts which have been made to grade and lay out for burial uses the remaining lands at the disposal of the Board.

The work of grading the land in the Greenwood avenue section has been continued and work has been vigorously prosecuted even during the winter season. The sum of four thousand dollars, set aside for this purpose, has been expended and additional funds are necessary to continue this work, which is so necessary to the good appearance of the Cemetery as well as to prepare the ground for the purposes of burial.

This work cannot well be discontinued until all the remaining territory at the disposal of the Board shall have been prepared for use, so as to give the prospective lot owner a reasonable opportunity to choose his burial place.

The work of grading at the southerly end of the Cemetery beyond the River avenue section has been prosecuted with energy and this whole section has been improved in a marked degree. This location is the only one where single graves can be secured, and these graves are being taken rapidly.

Ornamental work about the upper gate and avenue has changed this formerly unsightly section and it now possesses many attractive features.

About two thousand feet of pipe and drain have been laid in the Cemetery for the convenience of lot owners and the proper drainage of the lots.

During the season just closed a new feature was established by the installation of a nursery for plants and shrubs. The building has been erected as an addition to the stable at its southerly side, and present indications lead the Board to a feeling of confidence in the success of the venture.

Not only will the department be in a position to supply all plants for its own use in the Cemetery but there will doubtless be sufficient growth to enable proprietors to secure their decorative plants with greater ease and convenience.

CARE OF LOTS

The demand for the placing of lots in perpetual care, which became so prominent a feature of Cemetery work during the past season, has continued during the year just closed with ever-increasing results, the unusually large sum of $6,917.97 having been added to the Perpetual Care Fund, which has now reached the respectable total of $90,776.87.

As the purpose of this fund and its conditions become better known, there is little doubt but that the ensuing seasons will witness a larger and even more active increase in the number of lots placed within the protection of this method of care.

During the past season sixty-six lots were so placed, thus bringing the number of lots in perpetual care to seven hundred and thirty-four.

OFFICE BUILDING

The need for new methods and arrangements for the business office has been apparent to this Board during several years and recommendation has heretofore been made for an appropriation for a suitable structure.

As the amount required to construct a suitable building could not be obtained from the ordinary and usual revenue of the department, the City Council authorized a loan in the sum of eight thousand dollars to be equally apportioned between the work of grading and the preparation of an office structure.

Proposals were obtained by public advertisement, the lowest bid being almost two thousand dollars in excess of the sum appropriated. A rearrangement of details in the specifications resulting in no appreciable reduction in cost, the idea of a new office building has been temporarily set aside.

It had been proposed to place this building on the main avenue in the Cemetery and between the present office building and the entrance, as this would seem to be the most advantageous position for its purposes.

Had it been possible to proceed with the work of construction, several of the members had felt that the present office building could have been converted to use for chapel purposes.

NEW CHAPEL

Again the attention of the City Council is directed to the desirability of an appropriate building for religious service.

While the present office building has been utilized for this purpose to some extent, many citizens are deterred from making any application which will necessitate such use, because its arrangements for the purpose are not adequate nor seemly. Its use, too, even for a brief period, occurring as it usually does in the busy portion of the day, interferes with the performance of business at the office, and so is not to be countenanced if such use could possibly be avoided.

Believing that a change should be made which would permit the holding of religious exercises amid surroundings in agreement with the solemnity of the occasion, an earnest request is made for an appropriation sufficiently large to allow provisions for a building which will permit the separation of the office and chapel, and reference is made to the recommendations in previous reports of this Board, where the reasons for a chapel have been recited at greater length.

The Board again regrets to chronicle the departure from the service of the department of Dr. Roswell Wetherbee and Mr. David A. Barber, whose terms expired.

Dr. Wetherbee served most acceptably as chairman of the Board, and the city was fortunate indeed in having at its command the knowledge and capacity of both of these gentlemen.

By appointment of His Honor, Mayor Barry, Mr. William A. Bertsch and Mr. Eben H. Googins are serving as Commissioners. In thus accepting service anew on this Board, Mr. Bertsch resumes a place in the Cemetery Department for a third period, with seventeen years' active work already to his credit.

The Superintendent reports the following statistics:

Interments (April 1, 1911, to March 31, 1912, inclusive)	604
Interments, total to date	30,313
Graves sold	158
Lots sold	68
Lots ready for sale	286
Graves ready for sale	81
Foundations built	80
Brick and slate graves laid	30
Lots in annual care	987

GEORGE T. QUINN, Chairman,
WILLIAM A. BERTSCH,
DAVID FUDGE,
EBEN H. GOOGINS,
JOHN S. SHERIDAN,
JEREMIAH J. SULLIVAN,
Board of Cemetery Commissioners.

APPENDIX

ORDINANCES

PASSED BETWEEN APRIL 1, 1911, AND APRIL 1, 1912, AND AMENDMENTS TO STANDING REGULATIONS OF BOARD OF ALDERMEN

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "THE EXECUTIVE."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 10 of Chapter 2 of the Revised Ordinances of 1892, as amended to November 8, 1899, is hereby amended by inserting under the heading "In April" after the lines relating to Inspection of Provisions, etc., the words, "One or more inspectors of crude petroleum and its products."

In Common Council, May 31, 1911.
Passed to be ordained.
FREDERICK H. BURKE, *President.*

In Board of Aldermen, May 31, 1911.
Passed to be ordained.
JAMES T. BARRETT, *President.*

Executive Department, June 2, 1911.
Approved:
J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "AUDITING."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 5 of Chapter 4 of the City Ordinances of 1892 as amended to November 8, 1899, is hereby amended by adding at the end of Section 5 the following:

"And provided further, that he may at any time draw his orders upon the City Treasurer for the payment of any bill duly contracted and approved by any board or head of department."

In Common Council, May 31, 1911.
Passed to be ordained.
FREDERICK H. BURKE, *President.*

In Board of Aldermen, May 31, 1911.
Passed to be ordained.
JAMES T. BARRETT, *President.*

Executive Department, June 2, 1911.
Approved:
J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "FIRE."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 1 of Chapter 11 of the Revised Ordinances of 1892, as amended to November 8, 1899, and March 23, 1910, is hereby further amended as follows:

By adding after the words "ladder company" in the eighth line of the third paragraph the words "and one permanent lieutenant who shall be designated as the Chief's aid," and he shall be the driver of the Chief's wagon.

In Common Council, June 6, 1911.
Passed to be ordained.
FREDERICK H. BURKE, *President.*

In Board of Aldermen, June 6, 1911.
Passed to be ordained.
JAMES T. BARRETT, *President.*

Executive Department, June 13, 1911.
Approved:
J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN FURTHER AMENDMENT OF AN ORDINANCE ENTITLED "FIRE."

Be it ordained by the City Council of Cambridge as follows:

Section 1 of an Ordinance in further amendment of an ordinance entitled "Fire," approved February 25, 1911, as heretofore amended is hereby further amended by striking out the second paragraph thereof which provides that the department shall consist of ninety-two (92) permanent men and forty-six (46) call men and inserting in place of said paragraph the following:

Said department shall consist of ninety-eight (98) permanent men and of forty (40) call men, divided into seven (7) steam engine companies, two (2) chemical engine companies and four (4) ladder companies.

As amended the entire section will read as follows:

Section 1. A fire department is hereby established for the City of Cambridge with such officers, apparatus and regulations for the government thereof as may be prescribed by ordinance.

Said department shall consist of ninety-eight (98) permanent men and forty (40) call men, divided into seven (7) steam engine companies, two (2) chemical engine companies and four (4) ladder companies.

Said department shall be under the charge of the chief of fire department. The officers of said department shall be a chief, a deputy chief, one permanent captain for each steam engine company, one for each ladder company and for each chemical company and one permanent lieutenant for each steam engine company and for each ladder company, one engine man and one assistant engine man for each engine company, and there shall also be sufficient hose men and ladder men, to be divided into companies as the number of engines and other apparatus belonging to the city may require, and as the City Council may from time to time prescribe.

In Board of Aldermen, November 14, 1911.

Passed to be ordained notwithstanding the objection of His Honor, the Mayor.

Sent to the Common Council, for concurrence.

Attest:—

EDWARD J. BRANDON, *City Clerk.*

In Common Council, November 14, 1911.

Passed to be ordained notwithstanding the objections of His Honor, the Mayor.

Attest:—

EDWARD A. COUNIHAN, *Clerk.*

AN ORDINANCE RELATIVE TO GUIDES IN THE CITY OF CAMBRIDGE.

Be it ordained by the City Council of the City of Cambridge as follows:

No person, unless licensed as hereinafter provided, shall act as a guide for hire in or upon any street, public ground, or common. The Mayor shall grant licenses to one or more reputable and qualified persons to act as guides in and upon any street, public ground or common, who shall pay therefor the sum of one dollar. Such duly licensed person, when engaged as guide for hire shall wear, conspicuously placed on the front of his coat or hat, a badge containing the words "licensed guide" and shall produce for inspection the license issued as aforesaid, when requested by any public officer.

In Common Council, November 21, 1911.
Passed to be ordained.
FREDERICK H. BURKE, *President.*

In Board of Aldermen, November 28, 1911.
Passed to be ordained.
JAMES T. BARRETT, *President.*

Executive department, December 1, 1911.
Approved:
J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "FIRE."

Be it ordained by the City Council of the City of Cambridge as follows:

Section 7 of the Ordinance entitled "Fire" as approved February 25, 1911, is hereby amended as follows:

In Rule 58 by adding after the word "meal" where it first occurs in said rule, the following:

"On Sunday one hour shall be allotted to each member of the department who may request it for the purpose of attendance at church service, but only one member of a company shall be allowed the hour at a time."

Also by adding at the end of said Rule 58, the following:

"Provided, however, that an additional period of not more than fifteen minutes' time may be allowed at the discretion of the officer in charge of the company."

As amended said Rule 58 will read as follows:

Rule 58: One hour and fifteen minutes shall be allotted to each member of the department in which to procure each meal. On Sunday one hour shall be allotted to each member of the department who may request it, for the purpose of attendance at church service, but only one member of a company shall be allowed the hour at a time. Any question of precedence shall be decided by the officer in charge of the company. Members must report back promptly on time, failing to do which they shall be considered as absent without leave, provided, however, that an additional period of not more than fifteen minutes time may be allowed at the discretion of the officer in charge of the company.

In Common Council, January 2, 1912.
Passed to be ordained.

FREDERICK H. BURKE, *President.*

In Board of Aldermen, January 2, 1912.
Passed to be ordained.

JAMES T. BARRETT, *President.*

Executive Department, January 6, 1912.
Approved:

J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN RELATION TO THE HOSPITAL DEPARTMENT.

Be it ordained by the City Council of the City of Cambridge as follows:

Section 1. The hospital department shall be under the charge of the trustees of the Cambridge City Hospital, consisting of five trustees, who shall have charge of the Cambridge City Hospital and of the construction, care and maintenance thereof; shall purchase all fuel and other supplies required therefor; shall make all needful improvements in the lands and ground connected with the City Hospital; shall have charge of all real estate held for purposes connected with the City Hospital, and pay or cause to be paid to the City Treasurer the incomes thereof.

Section 2. Said trustees shall admit to the City Hospital sick or injured persons requiring only temporary relief, unless for good cause, and shall remove all sick or injured persons as soon as their condition will permit of such removal; they may allow patients, paying reasonable compensation therefor, separate apartments and special accommodations, and such patients, if they so desire, shall have the right to be treated medically or surgically by their own physician; any ward patient paying ward rates, shall have the privilege of being attended by his own physician, but no such physician shall be allowed to receive compensation from any ward patient; nor shall any member of the staff receive any compensation from any ward patient. All compensation received by the trustees from patients shall be paid over to the City Treasurer.

Section 3. Said trustees shall, in their annual report, include a statement of the condition of the hospital, the number of its inmates, the admissions thereto and discharges therefrom, and the births and deaths therein during the year.

Section 4. The trustees of the Cambridge City Hospital shall be appointed by the Mayor subject to confirmation by the Board of Aldermen and each trustee shall serve for the term for which he was appointed or until his successor has been duly qualified. Upon the passage of this ordinance the Mayor shall appoint five trustees, one to serve until May, 1913; one to serve until May, 1914; one to serve until May, 1915; one to serve until May, 1916; and one to serve until May, 1917. In the month of May, 1913, and in each succeeding May thereafter the Mayor shall appoint a trustee to serve for the term of five years.

Whenever any vacancy shall occur in said Board of Trustees, the same shall be filled by appointment by the Mayor, subject to confirmation by the Board of Aldermen, the new appointee to serve for the unexpired term; and no physician serving on the Board of Trustees shall be a member of the staff.

Section 5. There shall be a staff of not less than six (6) on the medical and six (6) on the surgical side, and such assistants as the Board of Trustees may determine. The members of the staff and the assistants shall be appointed by the trustees.

In Common Council, February 27, 1912.
Passed to be ordained.

FREDERICK H. BURKE, *President.*

In Board of Aldermen, February 27, 1912.

JAMES T. BARRETT, *President.*

Executive Department, March 4, 1912.
Approved.

J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "TREASURY."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 26 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended as follows:

In Section 12 by striking out the last sentence and inserting in place thereof the following sentence:

"He shall be allowed to expend a sum not exceeding twenty-five per cent. of the amount of unpaid bills for poll and personal taxes and department bills (except Water Department bills) to reimburse him for expenses necessarily incurred in the employment of deputy collectors, sheriffs, deputy sheriffs, or constables in the collection of bills which have been in his possession for more than six months."

In Board of Aldermen, March 26, 1912.

Passed to be ordained under suspension of the rules.

JAMES T. BARRETT, *President.*

In Common Council, March 26, 1912.

Passed to be ordained under suspension of the rules.

FREDERICK H. BURKE, *President.*

Executive Department, March 30, 1912.

Approved.

J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "DUTIES AND SALARIES."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 28 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended as follows:

In Section 12, by adding the sentence as follows:

"All advertisements for materials and supplies shall state that the price bid shall be net thirty days, and that the city shall be entitled to cash discount of two per cent. upon bills paid ten days from receipt of goods."

In Board of Aldermen, March 26, 1912.

Passed to be ordained under suspension of the rules.

JAMES T. BARRETT, *President.*

In Common Council, March 26, 1912.

Passed to be ordained under suspension of the rules.

FREDERICK H. BURKE, *President.*

Executive Department, March 30, 1912.

Approved.

J. EDWARD BARRY, *Mayor.*

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED "AUDITING."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter 4 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby amended as follows:

By striking out the whole chapter and amendments thereto and inserting in place thereof the following Chapter 4:

CHAPTER 4, AUDITING.

Section 1. The City Auditor shall have charge of the Auditing Department of the City. He shall hold his office for the term of three years as provided by Chapter 565, Acts of 1907. He shall receive such salary as the City Council shall from time to time determine.

Whenever said office shall be vacant the City Council shall fill the vacancy for balance of the unexpired term in the same manner as provided for in the election of the Auditor.

Section 2. The Auditor shall have the custody of the surety bonds of all city officials required to furnish bonds, and of all contracts and bonds given to the city to secure contracts; of all insurance policies in which the city has an interest, and he shall keep a register of the dates, and amounts of such bonds, contracts and insurance policies, and shall notify the Mayor whenever a bond or insurance expires.

The Auditor shall receive from the Treasurer and carefully hold all bonds, notes, scrip and other certificates of indebtedness together with coupons issued by the city, and executions against the same after they have been paid, and shall keep a registry thereof. Immediately upon receiving any bond, note, scrip, coupons, execution or other certificate of indebtedness from the Treasurer, the Auditor shall deliver to him an order for the payment of the same.

Section 3. Subject to the approval of the Mayor he shall direct the manner in which the books and accounts of all offices and departments of the city shall be kept, and once in each month he shall prepare and furnish to the Mayor, to each member of the City Council, and to each department, a printed statement showing the condition of each account, the amount of appropriations and receipts, the expenditures and the unexpended balances under each; loans issued and authorized with date, rate, term and amounts, borrowing capacity and such other data relating to the city's financial condition as may be asked for by the Mayor.

He shall report to the City Council at the earliest possible date after March 31st of each year, the expenditures and receipts during the preceding financial year, giving in detail the amount of appropriations and expenditures, and the receipts and source of income. He shall include in said report a statement of the funded and temporary loans, and rates of interest thereon, and shall exhibit all the liabilities and assets as shown on the books in his office at the close of the financial year.

Section 4. No persons, agent or board shall make any purchase unless the same be made on an order or requisition blank furnished by the City Auditor, and the Auditor may reject any bill presented in violation of this section.

In case of any error or informality he shall make note of the fact and return the bill or demand with the objections to the officer or board presenting the same, and when the Auditor has any doubt concerning the propriety or correctness of such bill or account, if it be not satisfactorily explained, he shall refer the same at once to the Mayor for consideration and final decision.

The Auditor shall be empowered, in case he deems it for the best interests of the city, to withhold the payment of any bill. If such action be taken he must submit his reasons therefor to the Mayor in writing within five days, who shall pass upon the matter finally and submit his decision in writing within ten days as to what disposition should be made of the account, giving his reasons therefor, in case he does not approve of the action of the Auditor.

Order or requisition blanks shall be made in triplicate, be consecutively numbered, the original to be delivered to the person from whom the purchase is to be made, one copy delivered to the Auditor within one day of the issuing of such requisition, and the other copy retained by the department.

These orders or blanks shall state the department from which they issue, the appropriation to which the expenditure is to be charged, the name and address of the person, firm or corporation from whom the purchase is to be made, the item or items wanted, amount, and the price of each, terms and provisions for cash discount of not less than 2 per cent. for payment ten days from date of receipt of the bill for goods by the department issuing order or requisition, and request that bills in duplicate be immediately sent to department.

Upon receipt of bills if they agree with the order or requisition, the head of the department, or in departments under charge of executive boards, such person as the board may authorize by vote to sign requisitions, orders and approve bills, shall approve the bill and forward it to the Auditor's office within one day of date or receipt by the department.

If purchase, contract, order or requisition involves an amount exceeding $300, the order or requisition therefor shall be approved by the Mayor before the city shall be held liable therefor. The passage of this ordinance shall not repeal the provisions of Sections 8 and 12 of Chapter 28 of the Revised Ordinances of the City of Cambridge, as amended to November 8, 1899.

Section 5. The Mayor is hereby authorized to draw orders on the Treasurer for the payment of accounts and claims approved and certified as provided in this chapter. He may draw his order to pay any sum not exceeding three-fourths of the amount then due, by way of advance on contracts made, or on work begun and not completed, upon being satisfied of the necessity therefore by a certificate signed by the board or head of department controlling the expenditure, within the sum especially appropriated therefor by the City Council, or draw his order for any sum upon the express order of the City Council.

He shall draw his order for the weekly payment of the wages of such employees as are entitled by law to be paid weekly; the amounts of such wages to be entered upon payrolls which shall be made up to the last day of the week and certified to as correct by the heads of the respective departments, except where a department is under the charge of an executive board, in which case they shall be so certified by some officer designated by said board; all such amounts to be within the appropriations to which the same shall be chargeable.

He shall draw his order for the payment of the salaries of the teachers of the public schools, and the sum due for state, military aid and soldiers' relief; the amounts of such salaries to be entered upon payrolls which shall be certified to be correct by the school committee, and the amounts of such sum for state and military aid and soldiers' relief to be entered upon payrolls, which shall be certified correct by the committee on soldiers' relief, such amounts to be within the appropriations to which the same shall be chargeable.

And provided further, that he may from time to time draw his orders upon the treasurer for the payment of such sums as he may deem necessary to be paid out of any appropriation which may be made and set apart by the City Council as a fund to meet emergencies, but never to exceed the amount of such appropriation.

Other payrolls shall be made up to include the last day of each month and pay day for the same and for bills received up to the eighth day of the month which comply with Section 4, shall be the 10th of each month, or the business day following, if such date occurs on Sunday or a legal holiday.

Bills received and audited in compliance with Section 4 up to the 18th of the month shall be paid on the 20th of each month and those received and audited as approved up to the 28th of the month shall be paid on the 30th of each month, provided they are in compliance with Section 4 as to cash discounts.

Section 6. No money shall be paid out of the City Treasury except upon the written order of the Mayor, addressed to the Treasurer, countersigned by the Auditor; provided, however, that the Treasurer may pay before such order is drawn, any sum of money due on the principal or interest of any note, bond or other security of the city, or on any judgment against the city, and also refunds certified by the Water Registrar, Board of Assessors or for Minor's License.

Section 7. The Auditor shall keep his accounts in such form and in such detail as may be necessary to a clear exhibit of all expenditures, liabilities and receipts. He shall credit each city account with its appropriation for the financial year, and with all revenue received, on the account of same, and charge against the same the expenditures and liabilities as they shall from time to time be made. Whenever an appropriation for any account is expended he shall immediately give notice thereof to the Mayor, and the City Council, and he shall not pass or allow any claim or account chargeable against such appropriation until the City Council shall provide the means of paying the same.

Section 8. The Auditor shall countersign all the bonds, notes and certificates of indebtedness issued for loans to the city, authorized by the City Council and also all the orders drawn by the Mayor on the Treasurer as provided in Section 5 of this chapter.

The financial year shall begin on the first day of April and the Auditor shall make up his accounts to include the last day of March annually.

Section 9. No person, board or commission unless authorized under the statutes, shall collect or receive any moneys for any purpose whatsoever on behalf of the City of Cambridge, except the City Treasurer or his authorized agents. Whenever it shall appear to the Treasurer that moneys should be paid direct to departments, the same shall be paid only by the authority of the Treasurer and to such person as he shall designate and under such conditions as he shall prescribe, and all returns to the Treasurer, and all rates, bills and assessments (except tax bills) due the city shall be made out upon such forms as the Auditor shall deem necessary for a proper accounting and interlocking of the accounts of the several departments with the books and accounts of the auditing department.

The Auditor shall procure at least as often as once a month from the banks in which the city's funds are deposited, a certified statement of the City Treasurer's balance and he shall examine the Treasurer's books and accounts and ascertain their correctness, and report on the same monthly to the City Council.

Section 10. It shall be the duty of the Auditor to examine once a year, or as often as the Mayor may direct, the books, records and accounts of the several departments and executive boards, and make his recommendations to the Mayor of such modifications, improvements or changes as may be deemed advisable and it shall be the duty of the Auditor to order and govern the installation of such modifications, improvements or changes.

Section 11. Annually in the month of April, and at other times when requested by the Mayor, the Auditor shall make written report to the Mayor of all unfinished contracts in his possession made with the city and of the existing condition of each contract.

Section 12. All ordinances or parts of ordinances inconsistent herewith are hereby repealed and all ordinances not inconsistent herewith remain in effect.

Section 13. This ordinance shall take effect on the 31st day of May in the year one thousand nine hundred and twelve.

In Board of Aldermen, March 26, 1912.

Passed to be ordained under suspension of rules.

JAMES T. BARRETT, *President.*

In Common Council, March 26, 1912.

Passed to be ordained, under suspension of the rules.

FREDERICK H. BURKE, *President.*

Executive Department, March 30, 1912.

Approved.

J. EDWARD BARRY, *Mayor.*

REGULATIONS OF BOARD OF ALDERMEN FROM APRIL 1, 1911, TO APRIL 1, 1912.

In Board of Aldermen, March 5, 1912.

ORDERED: That the General Regulations for the government of the police force be and hereby are amended as follows:

In Section 1 by striking out the figures 22 in reference to the number of reserve patrolmen, and inserting in place thereof the figures 25.

As amended this Section will read as follows:

Section 1. The police force shall consist of a Chief of Police, a Captain for each police district, a Chief Inspector to rank as Captain, two Inspectors to rank as Lieutenants, eight Lieutenants, 12 Sergeants, 102 Patrolmen and 25 Reserve Patrolmen, and eight Drivers of Patrol Wagons and Ambulances; when a vacancy occurs in the position of driver the Chief of Police may assign a patrolman as such driver, temporarily, until such position is filled by the Mayor.

An order of February 27, 1912, increasing the number of Reserve Patrolmen is hereby rescinded.

Approved March 8, 1912.

In Board of Aldermen, March 19, 1912.

ORDERED: That the General Regulations for the government of the police force be and hereby are amended in Section 1 thereof so as to read as follows:

Section 1. The police force shall consist of a Chief of Police, a Captain for each police district, a Chief Inspector to rank as Captain, three Inspectors to rank as Lieutenants, eight Lieutenants, twelve Sergeants, one hundred and two Patrolmen and twenty-five Reserve Patrolmen, and eight drivers of patrol wagons and ambulances; when a vacancy occurs in the position of driver, the Chief of Police may assign a patrolman as such driver, temporarily, until such position is filled by the Mayor.

Adopted.

Attest:

EDWARD J. BRANDON, *City Clerk.*

Executive Department, March 22, 1912.

Approved.

J. EDWARD BARRY, *Mayor.*

MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1912 inclusive.)

James D. Green	From	May,	1846,	to	April,	1848
Sydney Willard	“	April,	1848,	to	April,	1851
George Stevens	“	April,	1851,	to	April,	1853
James D. Green	“	April,	1853,	to	April,	1854
*Abraham Edwards	“	April,	1854,	to	January,	1855
Zebina L. Raymond	“	January,	1855,	to	January,	1856
John Sargent	“	January,	1856,	to	January,	1860
†James D. Green	“	January,	1860,	to	July 24,	1861
§Charles Theo Russell	“	July 31,	1861,	to	January,	1863
George C. Richardson	“	January,	1863,	to	January,	1864
Zebina L. Raymond	“	January,	1864,	to	January,	1865
J. Warren Merrill	“	January,	1865,	to	January,	1867
Ezra Pamenter	“	January,	1867,	to	January,	1868
Charles H. Saunders	“	January,	1868,	to	January,	1870
Hamlin R. Harding	“	January,	1870,	to	January,	1872
Henry O. Houghton	“	January,	1872,	to	January,	1873
Isaac Bradford	“	January,	1873,	to	January,	1877
Frank A. Allen	“	January,	1877,	to	January,	1878
Samuel L. Montague	“	January,	1878,	to	January,	1880
James M. W. Hall	“	January,	1880,	to	January,	1881
James A. Fox	“	January,	1881,	to	January,	1885
William E. Russell	“	January,	1885,	to	January,	1889
Henry H. Gilmore	“	January,	1889,	to	January,	1891
Alpheus B. Alger	“	January,	1891,	to	January,	1893
William A. Bancroft	“	January,	1893,	to	January,	1897
Alvin F. Sortwell	“	January,	1897,	to	January,	1899
Edgar R. Champlin	“	January,	1899,	to	January,	1901
David T. Dickinson	“	January,	1901,	to	January,	1902
John H. H. McNamee	“	January,	1902,	to	January,	1904
Augustine J. Daly	“	January,	1904,	to	January,	1906
Charles H. Thurston	“	January,	1906,	to	January,	1907
*Walter C. Wardwell	“	January,	1907,	to	April,	1909
William F. Brooks	“	April,	1909,	to	April,	1911
J. Edward Barry	“	April,	1911,	to		

*Municipal year changed. †Resigned. §First elected by the City Council.

PRESIDENTS OF THE BOARD OF ALDERMEN

1888	Edward W. Hincks
1889	John H. Corcoran
1890	Alvin F. Sortwell
1891	William A. Bancroft
1892	William A. Bancroft
1893	John F. Fairbairn
1894	John G. Thorogood
1895	John R. Fairbairn
1896	John R. Fairbairn
1897	Russell Bradford
1898	Russell Bradford
1899	Walter C. Wardwell
1900	Walter C. Wardwell
1901	George E. Saunders
1902	James F. Aylward
1903	*John W. Coveney
1903	Timothy W. Good
1904	John W. Coveney
1905	J. Edward Barry
1906	Charles H. Lake
1907	Charles H. Lake
1908	Edward B. James
1909	Edward B. James
1910	Edward B. James
1911	James T. Barrett
1912	James T. Barrett

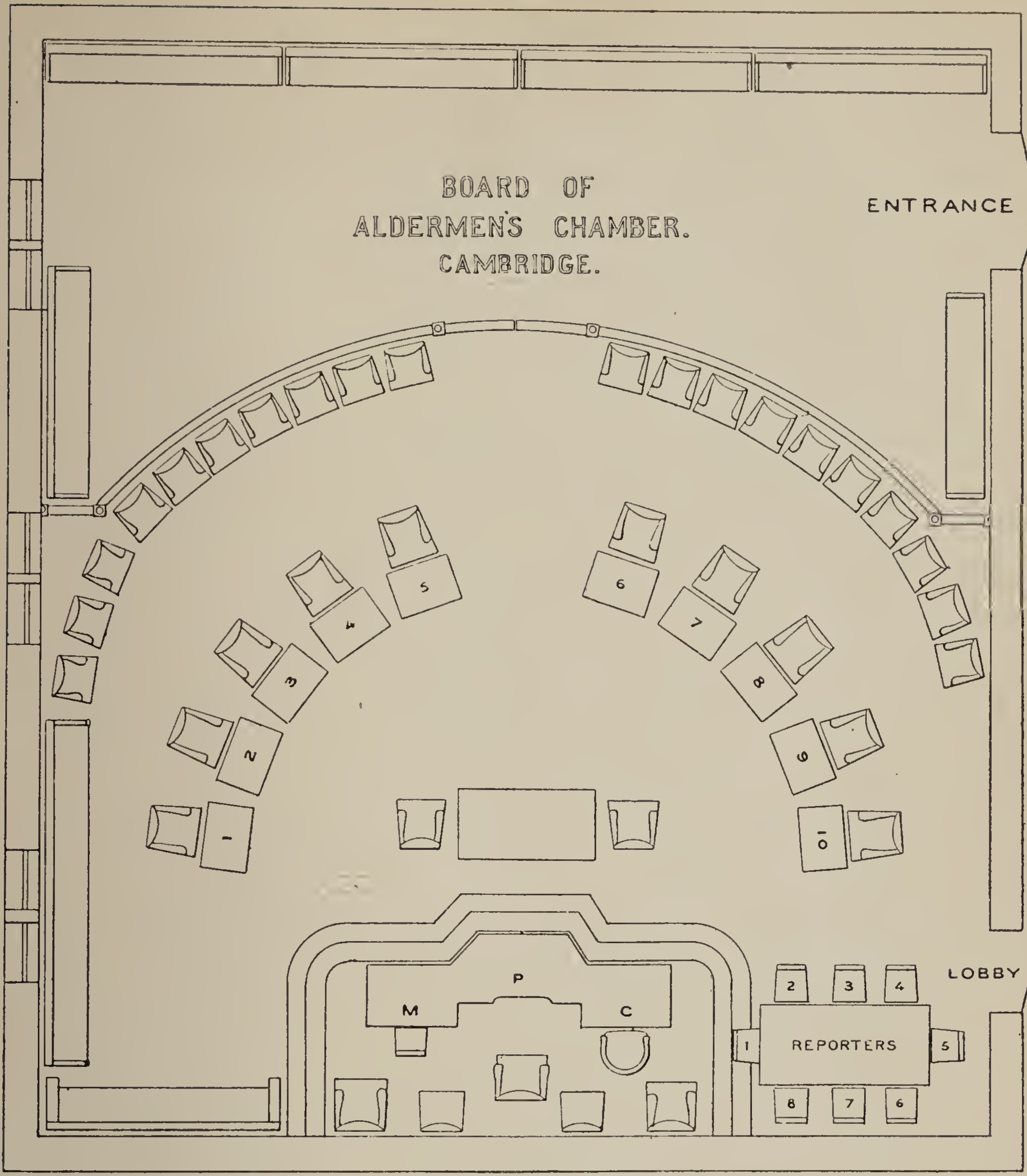
*John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

PRESIDENTS OF THE COMMON COUNCIL

1846	*Isaac Livermore
1847	*John Sargent
1848	*John C. Dodge
1849	*Samuel P. Heywood
1850	*Samuel P. Heywood
1851	*John S. Ladd
1852	*John Sargent
1853	*John Sargent
1854	*John C. Dodge
1855	*Alanson Bigelow
1856	*Ezra Ripley. Resigned Elected January 31
1856	*George S. Saunders Elected January 31
1857	*George S. Saunders
1858	*James C. Fisk
1859	*James C. Fisk
1860	*Hamlin R. Harding
1861	*Hamlin R. Harding
1862	*Jared Shepard. Resigned September 17
1862	*Knowlton S. Chaffee Elected September 24
1863	*George S. Saunders
1864	*George S. Saunders
1865	*John S. March
1866	*John S. March
1867	*Marshall T. Bigelow
1868	*Knowlton S. Chaffee Resigned February 4
1868	*Henry W. Muzzey Elected February 4
1869	*Henry W. Muzzey
1870	*Joseph H. Converse
1871	*Joseph H. Converse
1872	*Alvaro Blodgett
1873	*Alvaro Blodgett Resigned June 17
1873	Francis H. Whitman Elected June 17
1874	George F. Piper
1875	George F. Piper
1876	Frank A. Allen
1877	*Perez G. Porter
1878	*George S. Saunders
1879	*George S. Saunders
1880	*Charles Walker
1881	*Charles Walker
1882	George H. Howard
1883	George H. Howard
1884	George H. Howard
1885	Cornelius G. H. Bennink
1886	John H. Corcoran
1887	John H. Corcoran
1888	*Alvin F. Sortwell
1889	*Edward A. Bingham
1890	*Edward A. Bingham
1891	Edward C. Wheeler
1892	Herbert A. Chase
1893	J. Henry Russell
1894	Charles M. Conant
1895	*John L. Odiorne
1896	*John L. Odiorne
1897	Albert S. Apsey
1898	George E. Saunders
1899	William F. Brooks
1900	John D. Merrill
1901	John D. Merrill
1902	*Thorndike Spalding
1903	Edward E. Clark
1904	Harry N. Stearns
1905	George A. Giles
1906	George A. Giles
1907	*Henry C. Stetson
1907	†Robert W. Hunter
1908	Henry J. Winslow
1909	Jesse W. Moreland
1910	Irving N. Linnell
1911	Frederick H. Burke
1912	Timothy J. Horan

*Deceased.

†Elected to fill vacancy.



KEY TO
Board of Aldermen's Chamber
Cambridge
1912

P—James T. Barrett, *President.*

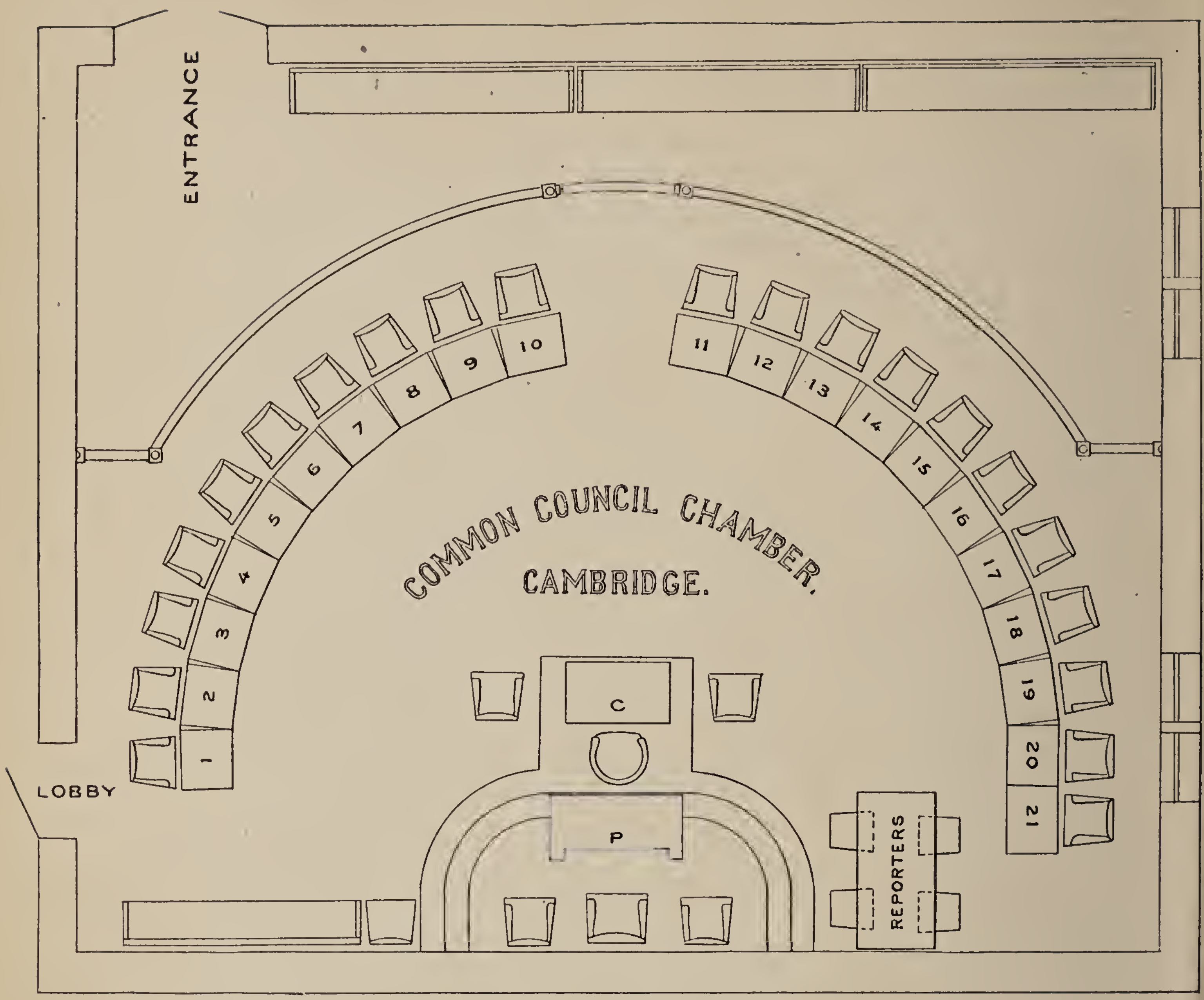
1. Alderman Glennon.
2. “ O'Neil
3. “ Curley
4. “ Gaffney
5. “ Corkery
6. Alderman Hurley
7. “ Danehy
8. “ O'Connor
9. “ Callahan
10 “ Nelligan

C—Edward J. Brandon, *City Clerk.*

M—A. Frank Montgomery, *City Messenger.*

Reporters.

1 J. Lee Robinson, Cambridge Tribune
2 John D. Atkinson, Cambridge Sentinel
3 George A. Broderick, Boston Post
4 James W. Bean, Cambridge Chronicle and Boston Globe
5 Frederick W. Cooke, Cambridge Times
6 Reginald T. Elmes, Cambridge Standard



KEY TO
Common Council Chamber
Cambridge
1912

P—Timothy J. Horan.

1.	Councilman	Bannan	12.	Councilman	Clauss
2.	“	Leahy	13.	“	Field
3.	“	Mahoney	14.	“	Metcalf
4.	“	McAvoy	15.	“	Hill
5.	“	O'Hara	16.	“	Poor
6.	“	McElroy	17.	“	Browne
7.	“	Mullen	18.	“	Jennings
8.	“	Toomey	19.	“	Dooley
9.	“	Tweedie	20.	“	Lynch
10.	“	Swaim	21.	“	Ahearn
11.	“	Thompson			

C—Edward A. Counihan, *Clerk*.

George T. Dooley, *Page*.

Reporters.

Charles F. Manning, Boston Globe and Cambridge Chronicle
T. R. Towne, Cambridge Tribune
Daniel J. Toomey, Cambridge Sentinel
Thomas P. Curtin, Cambridge Times

CITY GOVERNMENT

Mayor

J. EDWARD BARRY, 347 Broadway

Board of Aldermen

President,

JAMES T. BARRETT

James T. Barrett	97 Otis Street	Ward	2
Dennis J. Callahan	24 Rice Street	"	11
Jeremiah Corkery	88 Putnam Avenue	"	7
Patrick J. Curley	25 Donnell Street	"	10
William Danehy	1 Wadsworth Street	"	4
Charles H. Gaffney	204 Third Street	"	1
Thomas A. Glennon	167 Brookline Street	"	6
Dennis F. Hurley	22 Marion Street	"	3
Peter J. Nelligan	23 Rindge Avenue	"	11
Michael M. O'Connor	26 Woodbridge Street	"	11
Robert H. O'Neil	6 Lamson Place	"	4

Clerk

EDWARD J. BRANDON

Messenger

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings at 8 o'clock.

Common Council

President

TIMOTHY J. HORAN

William J. Ahearn .	338 Vine Street . .	Ward	2
Eugene B. Bannan .	5 Beaver Street . .	"	8
Arthur S. Browne .	302 Harvard Street .	"	5
Frederick F. Clauss .	18 Glenwood Avenue .	"	6
Clarence W. Dooley .	32 Market Street . .	"	4
Charles F. Field .	165 Chestnut Street .	"	6
Kenneth Page Hill .	165 Upland Road . .	"	10
Timothy J. Horan .	36 Camp Street . .	"	11
George H. Jennings .	55 Magazine Street .	"	7
John T. Leahy . .	11 Montgomery Street .	"	11
John H. Lynch . .	381 Cambridge Street .	"	1
Michael J. Mahoney .	102 Willow Street . .	"	3
Frank J. McAvoy .	116 Berkshire Street .	"	3
Joseph J. McElroy .	63 Charles Street . .	"	1
Nelson C. Metcalf .	22 Linnaean Street .	"	10
William D. Mullen .	207½ Charles Street . .	"	2
Thomas E. O'Hara .	1208 Massachusetts Avenue	"	8
Clarence H. Poor, Jr. .	23 Buckingham Street .	"	9
Roger D. Swaim .	190 Brattle Street . .	"	9
Ernest A. Thompson .	24 Inman Street . .	"	5
Lawrence J. Toomey .	287 Main Street . .	"	4
James K. Tweedie .	240 Franklin Street .	"	7

Clerk

EDWARD A. COUNIHAN

Page

GEORGE T. DOOLEY

Regular meetings on Tuesday evenings at 8 o'clock.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL

Accounts. Aldermen Corkery and Curley; President Horan and Councilmen Jennings and Browne.

Assessors' Department. Aldermen Hurley and Callahan; Councilmen Mullen and Poor.

City Engineering. Aldermen Curley and Nelligan; Councilmen McElroy, Metcalf and Mahoney.

City Home. Aldermen Callahan and O'Neil; Councilmen Leahy, Tweedie and Dooley.

Claims. President Barrett and Aldermen Glennon, Corkery and Danehy; President Horan and Councilmen McAvoy, Tweedie, Thompson, Leahy and Mullen.

Finance. President Barrett and Aldermen O'Connor, Callahan and Gaffney; President Horan and Councilmen Mahoney, O'Hara, Swaim, Metcalf and Lynch.

Fire Department. Aldermen O'Connor and Callahan; Councilmen McAvoy, Mullen and Field.

Health. Aldermen Danehy and Corkery; Councilmen McElroy, Ahearn and Hill.

Highways. Aldermen Gaffney, O'Neil and Glennon; Councilmen Toomey, Bannan, McElroy and Leahy.

Legal Matters. Aldermen Nelligan and Glennon; Councilmen Thompson, Poor and Dooley.

Legislative Matters. President Barrett and Aldermen Corkery, Nelligan and Glennon; President Horan and Councilmen McAvoy, Tweedie, Swaim, O'Hara and Mahoney.

Ordinances. Aldermen Nelligan and Danehy; Councilmen Toomey, Clauss and McAvoy.

Parks. Aldermen Callahan and Danehy; Councilmen McElroy, Toomey and Field.

Printing. Aldermen O'Connor and Curley; Councilmen Metcalf, Browne and Dooley.

Public Property. Aldermen Hurley and Curley; Councilmen Bannan, Field and Dooley.

Public Instruction. Aldermen Nelligan and Curley; Councilmen Jennings, Hill and Lynch.

Water Supply. Aldermen Callahan and Hurley; President Horan and Councilmen Tweedie and O'Hara.

Wires and Lamps. Aldermen O'Neil and Glennon; Councilmen Clauss, Lynch and Ahearn.

STANDING COMMITTEES OF THE BOARD OF ALDERMEN

Bonds. Aldermen Hurley, Danehy and Curley.

Cemeteries. Aldermen Corkery, Glennon and Callahan.

Claims. President Barrett and Aldermen Glennon, Corkery and Danehy.

Elections and Returns. Aldermen Callahan, Curley and Nelligan.

Fire Department. Aldermen O'Connor, Callahan and Hurley.

Health. Aldermen Danehy, Corkery and Curley.

Highways. Aldermen Gaffney, O'Neil and Glennon.

Licenses. Aldermen Hurley, Gaffney and O'Neil.

Parks. Aldermen Callahan, Danehy and Nelligan.

Police. Aldermen O'Connor, O'Neil and Glennon.

Rules and Orders. Aldermen Corkery, Curley and Callahan.

Sewers. Aldermen Curley, Corkery and Danehy.

Soldiers' Aid. Aldermen Glennon, Corkery, Nelligan, O'Neil and Danehy.

Street Railways. Aldermen O'Neil, Glennon and Callahan.

SPECIAL COMMITTEES OF BOARD OF ALDERMEN

Matters from the Files of Last Board of Aldermen.. Aldermen Curley and Glennon.

On Employees in Sewer Department. Aldermen Gaffney, O'Connor and Callahan.

JOINT SPECIAL COMMITTEES.

Matters referred from last City Council. Aldermen Curley and Glennon; Councilmen Leahy, Ahearn, Hill and Poor.

On topics in the Mayor's Inaugural Address. Aldermen Gaffney and Hurley; Councilmen Mullen, Jennings, Hill and Poor.

Amendments to City Charter. President Barrett and Aldermen Corkery and Hurley; Councilmen McAvoy, O'Hara, Swaim, Metcalf, Lynch and Jennings.

Rapid Transit. President Barrett and Aldermen Curley and Danehy; Councilmen Bannan, Field, Toomey and Clauss.

Readjustment of Sewer Assessments. Aldermen Curley and Callahan; Councilmen McElroy and Browne.

Reorganization of Fire Department. Aldermen O'Connor and Corkery; Councilmen McAvoy, O'Hara and Swaim.

Observance of Labor Day. Aldermen O'Connor, Callahan and Glennon; Councilmen Leahy, McAvoy and Browne.

Consolidation of Parks and Playgrounds. Aldermen Callahan and Danehy; Councilmen Mahoney, O'Hara and Thompson.

Reimbursement to City on account of exempted property. Aldermen Callahan and O'Neil; Councilmen Mahoney, Tweedie and O'Hara.

Observance of Independence Day. Aldermen Hurley, Gaffney and O'Neil; Councilmen Bannan, Thompson, O'Hara, Mullen, Toomey and Tweedie.

Service of Electric Light Company. Aldermen Callahan and Gaffney; Councilmen Leahy, O'Hara and Metcalf.

STANDING COMMITTEES OF THE COMMON COUNCIL

Bills in second reading. Councilmen Mullen, Browne and Dooley.

Elections and returns. Councilmen Bannan, Hill and Poor.

Enrolled Ordinances. Councilmen Thompson, McAvoy and Leahy.

Rules and Orders. Councilmen Mahoney, Lynch and Jennings.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE BOARD OF ALDERMEN.

President Barrett. Claims (Joint and of Aldermen), Finance, Legislative Matters, Amendments to City Charter, Rapid Transit.

Alderman Callahan. Assessors' Department, City Home, Finance, Readjustment of Sewer Assessments, Fire Department (Joint and of Aldermen), Parks (Joint and of Aldermen), Water Supply, Cemeteries, Elections and Returns, Rules and Orders, Reimbursement to the City on Account of Exempted Property, Street Railways, Observance of Labor Day, Employees in Sewer Department, Consolidation in Parks and Playgrounds, Service of Electric Light Company.

Alderman Corkery. Accounts, Claims (Joint and of Aldermen), Health (Joint and of Aldermen), Legislative Matters, Cemeteries, Rules and Orders, Sewers, Soldiers' Aid, Reorganization of Fire Department, Amendments to City Charter.

Alderman Curley. Readjustment of Sewer Assessments, Accounts, City Engineering, Printing, Public Property, Matters from the Files of Last Board of Aldermen, Matters referred from last City Council, Public Instruction, Bonds, Elections and Returns, Health (of Aldermen), Rules and Orders, Sewers, Matters from the Files of Last Board of Aldermen, Matters referred from Last City Council, Rapid Transit.

Alderman Danehy. Claims (Joint and of Aldermen), Health (Joint and of Aldermen), Ordinances, Parks (Joint and of Aldermen), Bonds, Sewers, Soldiers' Aid, Consolidation of Parks and Play-

Alderman Gaffney. Finance, Highways (Joint and of Aldermen), Licenses, On Topics of the Mayor's Inaugural Address, Observance of Independence Day, Employees in Sewer Department, Service of Electric Light Company.

Alderman Glennon. Claims (Joint and of Aldermen), Highways (Joint and of Aldermen), Legal Matters, Legislative Matters, Wires and Lamps, Cemeteries, Police, Soldiers' Aid, Matters from the Files of Last Board of Aldermen, Matters referred from Last City Council, Street Railways, Observance of Labor Day.

Alderman Hurley. Assessors' Department, Public Property, Water Supply, Bonds, Fire Department (of Aldermen), On Topics of the Mayor's Address, Licenses, Observance of Independence Day, Amendments to City Charter.

Alderman Nelligan. City Engineering, Legal Matters, Legislative Matters, Ordinances, Public Instruction, Elections and Returns, Parks (of Aldermen), Soldiers' Aid.

Alderman O'Connor. Finance, Fire Department (Joint and of Aldermen), Printing, Police, Employees in Sewer Department, Reorganization of Fire Department, Observance of Labor Day.

Alderman O'Neil. City Home, Highways (Joint and of Aldermen), Wires and Lamps, Licenses, Police, Soldiers' Aid, Reimbursement to the City on Account of Exempted Property, Street Railways, Observance of Independence Day.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE COMMON COUNCIL

President Horan. Accounts, Finance, Legislative Matters, Claims.

Councilman Ahearn. Health, Wires and Lamps, Matters referred from last City Council.

Councilman Bannan. Highways, Public Property, Observance of Independence Day.

Councilman Browne. Accounts, Printing, Observance of Labor Day, Readjustment of Sewer Assessments.

Councilman Clauss. Ordinances, Wires and Lamps.

Councilman Dooley. City Home, Legal Matters, Printing, Public Property.

Councilman Field. Fire Department, Parks, Public Property.

Councilman Hill. Health, Public Instruction, Matters referred from last City Council.

Councilman Jennings. Accounts, Public Instruction.

Councilman Leahy. City Home, Claims, Highways, Matters referred from last City Council, Observance of Labor Day, Service of Electric Light Company.

Councilman Lynch. Finance, Public Instruction, Wires and Lamps.

Councilman Mahoney. City Engineering, Finance, Legislative Matters, Reimbursement to City on Account of Exempted Property, Consolidation of Parks and Playgrounds.

Councilman McAvoy. Claims, Fire Department, Legislative Matters, Ordinances, Observance of Labor Day, Reorganization of Fire Department.

Councilman McElroy. Readjustment of Sewer Assessments, City Engineering, Health, Highways, Parks.

Councilman Metcalf. City Engineering, Finance, Printing, Service of Electric Light Company.

Councilman Mullen. Assessors' Department, Claims, Fire Department, Observance of Independence Day, On Topics in the Mayor's Inaugural Address.

Councilman O'Hara. Finance, Legislative Matters, Water Supply, Reimbursement to City on Account of Exempted Property, Consolidation of Parks and Playgrounds, Reorganization of Fire Department, Observance of Independence Day, Service of Electric Light Company.

Councilman Poor. Assessors' Department, Legal Matters, Matters referred from last City Council.

Councilman Swaim. Finance, Legislative Matters, Reorganization of Fire Department.

Councilman Thompson. Claims, Legal Matters, Observance of Independence Day, Consolidation of Parks and Playgrounds.

Councilman Toomey. Highways, Ordinances, Parks, Observance of Independence Day.

Councilman Tweedie. Claims, Legislative Matters, Water Supply, Observance of Independence Day, Reimbursement to City on Account of Exempted Property.

DEPARTMENTS AND BOARDS

EXECUTIVE DEPARTMENT

J. Edward Barry . . . . *Mayor*
Edward A. Counihan . . *Mayor's Clerk*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 17 and 18, City Hall. Telephone 463.

CITY CLERK DEPARTMENT

Edward J. Brandon . . . *City Clerk*
Thomas J. Conrick . . . *Assistant City Clerk*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 8 and 9, City Hall. Telephone 419.

TREASURY DEPARTMENT

Timothy W. Good *City Treasurer and Collector of Taxes*
Office Hours. 8 A. M. to 2 P. M.
Office, Rooms 3 and 4, City Hall. Telephone 602.

AUDITING DEPARTMENT

Charles H. Thurston . . . *City Auditor*
Office Hours: 8 A. M. to 4 P. M.
Office, Rooms 1 and 2, City Hall. Telephone 1001.

CLERK OF COMMITTEES DEPARTMENT

John McDuffie . . . . *Clerk of Committees*
Eben W. Pike . . . . *Assistant*
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

CITY MESSENGER DEPARTMENT

A. Frank Montgomery	*City Messenger*
George T. Dooley	*Assistant*

Office Hours: 8 A. M. to 4 P. M.
Office, Room 20, City Hall. Telephone 1900.

LAW DEPARTMENT

James F. Aylward	*City Solicitor*

Office Hours (at City Hall): 8 A. M. to 12 M.
Office, Room 17, City Hall. Telephone 463.
Boston Office, 542 Tremont Building. Telephone 168 Haymarket.

ENGINEERING DEPARTMENT

Lewis M. Hastings	*City Engineer*
Thomas P. O'Neil	*Superintendent of Sewers*

Office Hours: 8 A. M. to 5 P. M.
Office, Rooms 30 and 31, City Hall. Telephone 471.

FIRE DEPARTMENT

Nathaniel W. Bunker	*Chief*
James M. Casey	*Assistant Chief*

Office Hours: 9 A. M. to 10 A. M.
Office, Room 28, City Hall. Telephones 125 and 1900.

INSPECTION, ETC., OF BUILDINGS DEPARTMENTS.

Jeremiah F. Downey,
Superintendent of Public Buildings and Inspector of Buildings

James W. Emery	*Assistant Inspectors*
Leonard D. Garfield	
William A. Ford	*Inspector of Plumbing*
William H. Sheridan	*Clerk*

Office Hours: 8 A. M. to 4 P. M.
Office, Room 28, City Hall. Telephone 125.

HEALTH DEPARTMENT—BOARD OF HEALTH

Patrick T. Finnegan	*Chairman*

Term, three years.

Jeremiah S. Sullivan	Term expires 1912
Patrick J. Finnegan	Term expires 1913
Elie H. La Pierre	*Medical Inspector*
Bradford H. Pierce, M.D.	Term expires 1914
Kittie L. Magoun	*Secretary*
*James B. Soper †John D. Crowley	**Clerk**
**Ernest H. Sparrow, M.D. ††William A. Noonan, M.D.	*Inspector of Milk*
Joseph L. Johnson	*Inspector of Provisions*

Office Hours: 8 A. M. to 4 P. M.

Rooms 25 and 26, City Hall. Telephone 345.

POLICE DEPARTMENT

Fred B. Pullen	*Chief of Police*
John H. Holt	*Superintendent of Streets*
Edward W. Quinn	*Clerk*

Office Hours: 8 A. M. to 6 P. M.

Office at Central Square Building. Telephone 423.

STREET DEPARTMENT

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 4760.

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* To December 14, 1911.
† Assumed office February 5, 1912.
** March 15, 1912.
†† March 16, 1912.

ASSESSORS' DEPARTMENT—BOARD OF ASSESSORS

Bernard F. Fallon	*Chairman*
William M. Hogan	*Secretary*

Term, three years.

Jeremiah F. Donovan	Term expires 1912
Bernard F. Fallon	Term expires 1913
William M. Hogan	Term expires 1914
Carrie A. Estes . . .	*Clerks*
Genevieve G. Hannon . .	
Ruth E. O'Brien . . .	

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 21 and 22, City Hall. Telephone 244.

CITY ELECTRICAL DEPARTMENT

Timothy C. O'Hearn	*City Electrician*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

Central Fire Alarm Office. Telephone 363.

INSPECTOR OF ANIMALS DEPARTMENT

Charles E. Hadcock, M.D.V. .	*Inspector of Animals*

Residence, 473 Broadway. Telephone 662.

(No office or hours.)

BRIDGE DEPARTMENT

Francis J. Smith	*Bridge Commissioner*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 435.

SEALER OF WEIGHTS AND MEASURES DEPARTMENT

Felix C. McBride	*Sealer*
Emery T. Morris . .	*Deputy Sealers*
Hugh H. Healey . .	

Office Hours: Friday, 8 A. M. to 4 P. M. Saturdays, 8 A. M. to 12 M.

Office, Brattle Square Building. Telephone 509.

CITY PHYSICIAN

William G. Brousseau

Residence, 2222 Massachusetts Avenue. Telephone 1285.

Office, Central Square Building.

Office Hours: Daily, 9 to 11 A. M. Telephone 660.

FENCE VIEWERS

Lewis M. Hastings	City Hall
Jeremiah F. Downey	City Hall

Telephones 471, 125.

PLAYGROUND COMMISSION

John T. Shea	*Chairman*
Daniel A. Buckley	*Secretary*
Thomas F. Riley	Term expires 1912
James B. Vallely	Term expires 1913
Daniel A. Buckley	Term expires 1913
John T. Shea	Term expires 1914
Joseph H. Beale	Term expires 1914

CAMBRIDGE INDUSTRIAL COMMISSION

Emery H. Masters	*Chairman*
Joseph M. Dolan	*Secretary*

James J. Scully, from Board of Trade.
Emery H. Masters, from Taxpayers' Association.
Arthur R. Henderson, from Harvard Square B. M. Association.
Michael D. Collins, from Central Labor Union.

At Large.

Forris W. Norris
Joseph M. Dolan
Thomas E. Williams

FIRE HAZARD COMMISSION

Alexander Ellis, Jr.	28 Ellsworth Avenue
James J. Casey	9 Leonard Avenue
William L. Mowll	40 Avon Hill Street
Patrick H. Conlan	59 Thorndike Street
George H. Carrick	58 Fayerweather Street

SCHOOL COMMITTEE

James B. Vallely . . .	*Chairman*

At Large

James B. Vallely, 9½ Roseland Street	Term expires 1914
John W. Bradley, 16 Leonard Avenue	Term expires 1915

District No. 1

John F. Gadsby, 26 Willow Street	Term expires 1915

District No. 2

Charles A. Reynolds, 229 Franklin Street	Term expires 1914

District No. 3

Florence Lee Whitman, 23 Everett Street	Term expires 1913

Secretary and School Supply Agent
Sanford B. Hubbard

Superintendent of Schools
Frank E. Parlin

Office Hours: 8.30 A. M. to 5 P. M.
Office, Rooms 13, 14 and 15, City Hall. Telephone 445.

CEMETERY DEPARTMENT—CEMETERY COMMISSIONERS.

George T. Quinn	*Chairman*

Term, Three Years

Jeremiah J. Sullivan . . .	Term expires 1913
David Fudge	Term expires 1913
William A. Bertsch . . .	Term expires 1914
Eben H. Googins . . .	Term expires 1914
John S. Sheridan . . .	Term expires 1915
George T. Quinn . . .	Term expires 1915
Edward J. Brandon . . .	*Clerk of the Board*

Office, Rooms 8 and 9, City Hall. Telephone 419.

Joseph A. Wolcott . . .	*Supt. of the Cemetery*
John J. McKenzie . . .	*Clerk of the Cemetery*

Office Hours: At Cemetery, 8 A. M. to 5 P. M.
Office at Cemetery on Coolidge Avenue. Telephone 5.

PERSON TO CAUSE TO BE PROPERLY INTERRED THE BODIES OF SOLDIERS AND SAILORS

EBEN W. PIKE

Office, Room 16, City Hall. Telephone 818.

PUBLIC LIBRARY DEPARTMENT—TRUSTEES OF CAMBRIDGE PUBLIC LIBRARY

EDWARD P. COLLIER . . .	*President*

For One Year

Citizens at Large. Term, Three Years

Joseph L. P. St. Coeur . . .	Term expires 1913
Edward C. Wheeler . . .	Term expires 1913
Joseph P. Quilty	Term expires 1914
William J. Barry	Term expires 1914
John E. Somers, M.D. . . .	Term expires 1915
Edward P. Collier	Term expires 1915
JOSEPH L. P. ST. COUER . . .	*Treasurer*
CLARENCE W. AYER . . .	*Secretary and Librarian*

Library open: 9 A. M. to 9 P. M. Reading Room: 9 A. M. to 9 P. M. Sunday, 2 to 9 P. M.

Office at Library Building, Broadway, Irving and Trowbridge Streets. Telephone 610.

CITY HOSPITAL DEPARTMENT—TRUSTEES OF CAMBRIDGE CITY HOSPITAL

CHARLES S. CAHILL . . .	*Chairman*
JOHN D. MERRILL	*Secretary*
John H. Hurley	Term expires 1913
Isaac McLean	Term expires 1914
Hugh E. McGoldrick . . .	Term expires 1915
John D. Merrill	Term expires 1916
Charles S. Cahill, M.D. . . .	Term expires 1917

WATER WORKS DEPARTMENT—CAMBRIDGE WATER BOARD

Andrew J. Rady	*President*

Term, Five Years

John F. O'Brien	Term expires 1913
Joseph E. Doherty	Term expires 1914
Bernard E. McDermott	Term expires 1915
James J. Scully	Term expires 1916
Andrew J. Rady	Term expires 1917
Walter H. Harding	*Clerk of the Board*
Edwin C. Brooks	*Supt. of Water Works*
Walter H. Harding	*Water Registrar*

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 5 and 6, City Hall. Telephone 430.

REGISTRARS OF VOTERS

J. Frank Facey	*Chairman*

Term, Four Years

Albert H. Hall	Term expires 1913
J. Frank Facey	Term expires 1914
Guy R. Merrill	Term expires 1915
John P. McCormick	Term expires 1916
Albert H. Hall	*Clerk*

Office at Central Square Building. Telephone 1027.

PARK DEPARTMENT—PARK COMMISSIONERS

William M. Wadden	*President*

Term, Three Years

David J. Nelligan	Term expires 1912
Peter Mullin	Term expires 1913
William M. Wadden	Term expires 1914
Rose E. Manning	*Secretary*
John F. Donnelly	*General Superintendent*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 11, City Hall. Telephone 650-119.

SINKING FUND DEPARTMENT—COMMISSIONERS OF THE SINKING FUND

George G. Wright	*Chairman*

Term, Three Years

James O'Brien	Term expires 1912
George G. Wright	Term expires 1912
John J. Quinlan	Term expires 1913
Thomas F. Royle	Term expires 1913
Edward N. Manning	Term expires 1914
Herbert M. Bridey	Term expires 1914
John McDuffie	*Secretary*
Timothy W. Good	*Treasurer*

OVERSEERS OF THE POOR DEPARTMENT—OVERSEERS OF THE POOR

John R. McCool	*Chairman*

Term, Five Years

James F. Mullen	Term expires 1913
George P. O'Brien	Term expires 1914
John R. McCool	Term expires 1915
Frank McLaughlin	Term expires 1916
Patrick J. Callaghan	Term expires 1917
James E. Finnegan	*Secretary*
Charles E. Goodrow	*Supt. of City Home*

Office Hours, at Central Square Building, 8 A. M. to 4 P. M.
Telephones: Office 660; City Home 189.

BOARD OF APPEAL

Clarence H. Blackall	*Chairman*

Term, Three Years

Clarence H. Blackall (Architect) John B. Byrne (Master Builder)
Harry N. Stearns

William H. Sheridan	*Secretary*

Office, Room 28, City Hall. Telephone 125.

AGENT FOR COMMITTEE ON SOLDIERS' AID

Eben W. Pike
Office Hours: 8 A. M. to 4 P. M.
Office, Room 16, City Hall. Telephone 818.

TRUSTEES OF THE DOWSE INSTITUTE

WILLARD A. BULLARD	*President*
J. Edward Barry, Mayor	*Ex-officio*
Timothy J. Horan, Pres. Common Council	*Ex-officio*

George Howland Cox
Willard A. Bullard
Joseph H. Beale, Jr.

GEORGE HOWLAND COX	*Secretary*

TRUSTEES OF THE SANDERS TEMPERANCE FUND AND BRIDGE CHARITABLE FUND

J. Edward Barry, Mayor.
James T. Barrett, Pres. Board of Aldermen.
Timothy J. Horan, Pres. Common Council, *ex-officiis.*

CIVIL SERVICE—LABOR DIVISION

HARRY L. LINCOLN	*Registration Clerk*

Office Hour: 4 P. M. daily. Except Saturday.

PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS

(*Ch.* 102, *Sect.* 151, *Revised Laws.*)
FREDERICK B. PULLEN

POUND KEEPERS

Robert Holden
Edward F. Sullivan
T. Parker Clark

COMMITTEE FOR THE PRESERVATION OF FISH

Theodore L. Pike
Edwin C. Brooks

INSPECTORS OF JUNK SHOPS

Pawnbrokers' Shops and Second-Hand Stores and Dealers

John J. McBride
James E. Murray
John F. Murray
Patrick J. Hurley

HAY WEIGHERS

Frank W. Bartlett
William N. Neally
George M. David
John N. Bolster

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW

Harvey O. Titus

PUBLIC WEIGHERS

Francis E. Bailey
Robert C. Bird
Ernest E. Bradbury
William A. Cheyne
Theodore P. Clark
Dennis T. Coffey
Ernest Croake
John P. Healy
Robert Holden
John H. Holt
James Knowles
Neil Macdonald
Fred W. MacFarland
Melvin MacFarland
Edward A. Mahoney
William Maloney
August Pawlowski
Clyde E. Crozier
Edward B. Dale
Leonard Day
William H. Delaney
John E. Fay
Frank Finnick
Alexander S. Ford
Martin McMahon
John F. Reilly
Manuel M. Rogers
Alexander Russell
Mathieson L. Scorgie
Edward F. Sullivan
John M. Thayer
James J. Travers
William Varney
Orne Vose
James A. Whelan

MEASURERS OF GRAIN

Emery T. Morris
Felix McBride
Hugh H. Healey

SURVEYOR OF MECHANICS' WORK

Charles A. Mason

KEEPER OF LOCK-UPS

Frederick B. Pullen

CONSTABLES

(Without power to serve civil process)

Charles R. Apted
Fred Bailey
William Barber
George J. Blaisdell
John J. Brownrigg
David D. Burns
John F. Carlin
Lucian S. Cabot

Patrick Carroll
John F. Connelly
John J. Creedon
Thomas Culhane
Charles Dolloff
William F. Donovan
Charles Emerson
Eugene M. Flanagan
Charles E. Getchell
John Good
Charles E. Goodrow
Frank A. Hagar
Daniel Hanifen
Joseph B. Hayes
John Hayman
Fred M. Harrington
Hugh H. Healey
James Hicks
Thomas A. Hughes
Joseph James
John A. Jackson
Hugh H. Keenan
Dennis F. Kelly
James R. Keough
Bernard E. Levin
Charles A. Lincoln
Peter Malone
Felix C. McBride
John McDonald
John J. Roach
Philip Russell
Timothy J. Shine
George W. Stanton
William J. Sullivan
John Taylor
John M. Techa
George E. Verrill
Edward F. Wadden
Frank H. Wait

CONSTABLES

(With power to serve civil process)

Stephen C. Bresnahan
Bernard J. Brogan
Thomas J. Cavanaugh
William J. Connors, Jr.
Thomas J. Conroy
John J. Corkery
Gilmore B. Creelman
Cornelius T. Curtin
Edward D. Daly
Frederick L. Donovan
Charles F. Doyle
Daniel J. Doyle
Charles F. Field
Joseph P. Flynn
John Foster
Joseph Fox
Albert Gertson
James E. Lennon
Felix Lopez
John T. Lynch
William F. McCormick
Michael F. McGrath
Andrew H. McKee
Charles F. Murphy
George W. Noonan
Thomas J. O'Connor
Walter L. Potter
John E. Quin
Daniel E. Randall, Jr.
Arthur M. Stewart
Harry Zintz

VOTES CAST AT
STATE AND CITY ELECTIONS

HELD

NOVEMBER 7, 1911, and MARCH 12, 1912

RESPECTIVELY

AS CORRECTED BY RECOUNTS

VOTES CAST FOR GOVERNOR AND OTHER STATE OFFICERS, COUNCILLORS, SENATORS, REPRESENTATIVES IN THE GENERAL COURT, COUNTY COMMISSIONERS, CLERK OF COURTS, REGISTER OF DEEDS, AND ON THE QUESTIONS OF "VOTING MACHINES" AND "TAKING LAND FOR HIGHWAYS"; ALSO FOR CITY OFFICERS, AND ON LICENSE QUESTION

STATE ELECTION, NOVEMBER 7, 1911

			CANDIDATES FOR GOVERNOR										FOR LIEUTEN'T GOVERNOR						FOR SECRETARY						
WARD	PREC'T	Whole number of ballots east	James F. Carey, of Haverhill, Soc.	Eugene N. Foss, of Boston, Dem.	Eugene N. Foss, of Bòston, Dem. Pro.	Eugene N. Foss, of Boston	Louis A. Frothingham, of Boston, Rep.	Dennis McGoff, of New Bedford, Soc. L.	Frank N. Rand, of Haverhill, Pro.	Joseph Walker	Henry M. Whitney	Blank	Walter S. Hutchins, of Greenfield, Soc.	Robert Luce, of Somerville, Rep.	William G. Merrill, of Malden, Pro.	Patrick Mulligan, of Boston, Soc. L.	David I. Walsh, of Fitchburg, Dem. Pro. Pro.	Blank	David Craig, of Milford, Soc. L.	Frank J. Donahue, of Boston, Dem. Pro.	Alfred H. Evans, of Northampton, Pro.	Rose Fenner, of Worcester, Soc.	Albert P. Langtry, of Springfield, Rep.	R. A. Wood	Blank
1	1	310	1	266	0	20	20	0	0	0	0	3	1	17	1	1	279	11	2	274	1	1	17	0	15
1	2	348	6	268	11	0	55	2	1	0	0	5	6	49	0	2	272	19	5	254	2	6	44	0	37
Totals		658	7	534	11	20	75	2	1	0	0	8	7	66	1	3	551	30	7	528	3	7	61	0	52
2	1	391	2	331	31	12	39	1	0	0	0	5	4	34	2	3	334	14	47	281	3	4	29	0	27
2	2	315	3	227	45	5	29	0	0	0	0	6	2	25	1	1	273	13	1	261	0	2	24	0	27
Totals		706	5	528	76	17	68	1	0	0	0	11	6	59	3	4	607	27	48	542	3	6	53	0	54
3	1	311	4	227	47	2	24	2	1	0	0	4	8	22	0	7	261	13	5	251	2	3	22	0	28
3	2	241	4	171	33	7	20	1	0	0	0	5	4	16	0	2	206	13	3	200	0	5	18	0	15
3	3	338	7	187	62	21	59	0	0	0	0	2	8	51	0	1	272	6	3	262	0	6	50	0	17
3	4	292	10	198	26	15	37	2	0	0	0	4	10	48	0	2	218	14	2	215	3	5	47	0	20
Totals		1,182	25	783	168	45	140	5	1	0	0	15	30	137	0	12	957	46	13	928	5	19	137	0	80
4	1	219	4	129	26	15	43	0	0	0	0	2	3	44	2	2	155	13	2	150	2	2	42	0	21
4	2	278	12	145	11	4	102	0	3	0	0	1	10	106	4	1	157	0	5	147	4	8	102	0	12
4	3	287	13	142	21	4	101	1	2	0	0	3	15	108	2	2	150	10	7	140	4	12	102	0	22
4	4	299	6	131	27	1	128	0	2	0	0	4	7	123	4	0	156	9	2	147	4	5	125	0	16
Totals		1,083	35	547	85	24	374	1	7	0	0	10	35	381	12	5	618	32	16	584	14	27	371	0	71
5	1	304	5	197	18	2	79	0	0	0	0	3	10	69	1	0	217	7	1	204	3	8	70	0	18
5	2	371	4	198	41	0	117	0	2	0	0	9	3	110	3	1	243	11	2	226	3	1	117	0	22
5	3	408	3	129	17	1	251	2	2	0	0	3	4	256	6	2	134	6	3	120	6	1	262	0	16
5	4	352	4	72	23	1	246	0	2	0	0	4	6	248	4	0	87	7	1	76	7	5	249	0	14
Totals		1,435	16	596	99	4	693	2	6	0	0	19	23	683	14	3	681	31	7	626	19	15	698	0	70

6	1	270	12	103	22	6	118	2	2	0	0	5	12	121	3	4	120	10	8	115	6	12	116	0	13
6	2	315	10	120	8	1	169	1	1	0	0	5	9	169	2	4	121	10	5	108	4	8	172	0	18
6	3	382	8	186	23	0	154	0	4	0	0	7	8	157	3	0	204	10	2	192	15	6	146	0	21
6	4	398	6	100	31	3	250	1	6	0	0	1	6	264	7	1	111	9	0	104	12	6	257	0	19
Totals . . .		1,365	36	509	84	10	691	4	13	0	0	18	35	711	15	9	556	39	15	519	37	32	691	0	71
7	1	360	6	185	11	0	152	0	1	0	0	5	5	155	2	1	182	15	1	173	5	6	156	0	19
7	2	347	9	187	20	3	117	1	4	0	0	6	9	117	2	4	193	22	2	191	5	6	117	0	26
7	3	396	3	114	16	4	242	2	8	1	0	6	5	254	9	3	118	7	5	92	15	6	268	0	10
7	4	314	6	119	30	5	148	0	4	0	0	2	8	146	4	1	143	12	8	127	11	5	140	0	23
Totals . . .		1,417	24	605	77	12	659	3	17	1	0	19	27	672	17	9	636	56	16	583	36	23	681	0	78
8	1	360	5	134	33	2	178	0	4	0	1	3	8	177	3	2	163	7	3	139	9	6	185	0	18
8	2	427	3	139	32	0	248	0	1	0	0	4	6	256	0	0	155	10	2	147	3	7	258	0	10
8	3	462	4	317	37	22	67	1	0	0	0	14	6	65	3	1	363	24	3	351	1	3	68	0	36
Totals . . .		1.249	12	590	102	24	493	1	5	0	1	21	20	498	6	3	681	41	8	637	13	16	511	0	64
9	1	451	7	0	0	150	283	1	3	0	0	7	9	279	6	0	148	9	2	116	12	9	287	0	25
9	2	457	9	186	28	17	205	0	2	0	0	10	6	205	3	2	227	14	4	203	2	5	218	0	25
9	3	448	5	195	49	9	182	0	1	0	0	7	4	176	3	0	246	19	4	232	3	4	181	0	24
Totals . . .		1,356	21	381	77	176	670	1	6	0	0	24	19	660	12	2	621	42	10	551	17	18	686	0	74
10	1	421	4	119	14	0	278	0	2	0	0	4	6	285	4	0	119	7	1	110	5	4	285	1	15
10	2	379	4	83	23	2	257	1	3	0	0	6	5	257	4	1	103	9	3	87	5	4	271	0	9
10	3	313	3	227	18	1	56	0	0	0	0	8	4	58	1	1	231	18	2	215	1	2	56	0	37
Totals . . .		1,113	11	429	55	3	591	1	5	0	0	18	15	600	9	2	453	34	6	412	11	10	612	1	61
11	1	477	9	177	38	5	244	0	2	0	0	2	11	252	3	0	202	9	3	186	5	10	250	0	23
11	2	485	6	297	36	7	134	1	0	0	0	4	8	131	1	1	328	16	7	306	7	5	134	0	26
11	3	365	8	274	46	4	28	1	2	0	0	2	9	28	3	5	304	16	4	294	5	3	32	0	27
Totals . . .		1,327	23	748	120	16	406	2	4	0	0	8	28	411	7	6	834	41	14	786	17	18	416	0	76
Grand Totals . .		12,891	215	6,250	954	351	4,860	23	65	1	1	171	245	4,878	96	58	7,195	419	160	6,696	175	191	4,917	1	751

Dem.—Democratic Pro.—Prohibition Rep.—Republican Soc.—Socialist Soc. L.—Socialist Labor

STATE ELECTION, NOVEMBER 7, 1911—*Continued*

		FOR TREASURER						FOR AUDITOR						FOR ATTORNEY GENERAL				
WARD	PRECINCT	Joseph M. Caldwell, of Milford, Soc.	Jeremiah P. McNally, of Salem, Soc. L.	Charles E. Peakes, of Weston, Pro.	Elmer A. Stevens, of Somerville, Rep.	Augustus L. Thorndike, of Brewster, Dem. Pro.	Blank	Karl Lindstrand, o Lynn, Soc. L.	Sylvester J. McBride, of Watertown, Soc.	William W. Nash, of Westborough, Pro.	Charles B. Strecker, of Brookline, Dem. Pro.	John E. White, of Tisbury, Rep.	Blank	George W. Anderson, of Boston, Dem. Pro.	Henry C. Hess, of Boston, Soc. L.	George E. Roewer, Jr., of Boston, Soc.	James M. Swift, of Fall River, Rep.	Blank
1	1	1	4	1	19	265	20	2	2	3	259	18	26	267	2	1	16	24
1	2	7	5	2	49	250	35	3	7	1	246	43	48	245	3	4	47	49
	Totals	8	9	3	68	515	55	5	9	4	505	61	74	512	5	5	63	73
2	1	7	4	2	32	318	28	3	5	3	318	31	31	313	2	6	34	36
2	2	3	2	1	36	247	26	3	2	2	249	25	34	253	3	2	26	31
	Totals	10	6	3	68	565	54	6	7	5	567	56	65	566	5	8	60	67
3	1	6	5	2	22	247	29	4	8	2	238	21	38	242	6	6	20	37
3	2	5	3	1	15	200	17	2	4	1	195	16	23	200	6	3	9	23
3	3	8	2	1	50	253	24	3	7	0	247	47	34	255	2	7	49	25
3	4	10	4	0	48	199	31	5	3	5	202	47	30	200	3	5	52	32
	Totals	29	14	4	135	899	101	14	22	8	882	131	125	897	17	21	130	117
4	1	2	2	2	44	145	24	1	3	0	145	41	29	143	1	2	46	27
4	2	13	1	3	99	144	18	4	10	3	150	95	16	145	6	10	101	16
4	3	14	3	2	107	139	22	9	10	3	141	98	26	142	5	10	104	26
4	4	7	2	4	125	145	16	2	6	3	145	120	23	139	1	7	130	22
	Totals	36	8	11	375	573	80	16	29	9	581	354	94	569	13	29	381	91
5	1	6	1	1	75	198	23	2	5	1	202	70	24	194	3	7	75	25
5	2	7	2	2	118	218	24	2	3	5	212	115	34	217	1	1	116	36
5	3	3	1	5	258	123	18	2	2	5	120	255	24	119	3	4	260	22
5	4	6	0	2	251	80	13	2	5	3	77	252	13	82	1	7	247	15
	Totals	22	4	10	702	619	78	8	15	14	611	692	95	612	8	19	698	98

6	1	16	2	2	127	110	13	8	9	2	110	121	20	112	5	13	120	20
6	2	12	2	2	170	108	21	4	10	5	115	158	23	113	4	9	171	18
6	3	7	4	4	155	184	28	2	8	7	183	144	38	193	4	6	151	28
6	4	6	0	6	262	106	18	1	7	7	107	255	21	102	0	8	266	22
	Totals	41	8	14	714	508	80	15	34	21	515	678	102	520	13	36	708	88
7	1	6	1	5	155	170	23	4	6	6	162	152	30	171	2	8	149	30
7	2	8	4	2	115	185	33	2	7	4	186	113	35	188	3	5	115	36
7	3	9	1	8	270	95	13	7	3	10	90	265	21	100	2	3	269	22
7	4	9	1	4	144	123	33	3	7	5	128	137	34	125	2	10	146	31
	Totals	32	7	19	684	573	102	16	23	25	566	667	120	584	9	26	679	119
8	1	7	0	4	180	149	20	2	7	7	163	164	17	166	1	6	170	17
8	2	6	1	2	247	159	12	2	6	3	158	243	15	156	2	8	242	19
8	3	8	3	0	72	334	45	1	5	3	329	65	59	333	3	3	63	60
	Totals	21	4	6	499	642	77	5	18	13	650	472	91	655	6	17	475	96
9	1	7	2	1	280	140	21	3	10	5	128	280	25	145	3	9	271	23
9	2	7	0	2	195	224	29	3	4	3	205	207	35	228	0	4	196	29
9	3	5	3	3	180	232	25	2	10	4	227	173	32	236	1	3	171	37
	Totals	19	5	6	655	596	75	8	24	12	560	660	92	609	4	16	638	89
10	1	3	0	2	282	125	9	2	3	3	108	293	12	118	2	4	284	13
10	2	6	1	1	268	95	8	2	5	2	93	262	15	102	1	6	261	9
10	3	3	1	1	54	219	35	3	4	3	208	50	45	206	1	3	52	51
	Totals	12	2	4	604	439	52	7	12	8	409	605	72	426	4	13	597	73
11	1	10	3	3	260	181	20	3	9	2	184	250	29	190	2	8	250	27
11	2	5	5	0	142	303	30	4	9	1	301	133	37	308	7	3	134	33
11	3	7	4	1	31	288	34	4	5	3	276	40	37	288	7	6	30	34
	Totals	22	12	4	433	772	84	11	23	6	761	423	103	786	16	17	414	94
Grand Totals		252	79	84	4,937	6.701	838	111	216	125	6,607	4,799	1,033	6,736	100	207	4,843	1,005

Dem.—Democratic Pro.—Prohibition Rep.—Republican Soc.—Socialist Soc. L.—Socialist Labor

STATE ELECTION, NOVEMBER 7, 1911—*Continued*

		COUNCILLOR Third District			COUNCILLOR Fourth District			SENATOR Second Suffolk			SENATOR Third Suffolk				SENATOR Second Middlesex			
WARD	PRECINCT	John Quinn, Jr., of Boston, Dem.	Henry A. Savage, of Boston, Rep.	Blank	Edward B. James, of Cambridge, Dem.	Alexander McGregor, of Malden, Rep.	Blank	Arthur W. Forbush, of Boston, Rep.	James A. Hatton, of Boston, Dem.	Blank	William C. Lane, of Cambridge Rep.	Joseph P. Lomasney, of Boston, Dem.	J. Frank Facey	Blank	Maurice M. Lynch, of Cambridge, Dem.	Harry N. Stearns, of Cambridge Rep.	J. Frank Facey	Blank
1	1	271	15	24				18	264	28								
1	2	269	46	33				47	245	56								
	Totals	540	61	57				65	507	84								
2	1	327	36	28				40	316	35								
2	2	256	23	36				23	243	49								
	Totals	583	59	64				63	559	84								
3	1	251	20	40				21	243	47								
3	2	203	15	23				21	197	23								
3	3	263	41	34				46	260	32								
3	4	207	51	34				56	199	37								
	Totals	924	127	131				144	899	139								
4	1	151	37	31							45	145		29				
4	2	144	107	27							113	137	1	27				
4	3	146	111	30							122	138		27				
4	4	148	133	18							126	145		28				
	Totals	589	388	106							406	565	1	111				
5	1				200	73	31								201	84	0	19
5	2				220	119	32								202	143	0	26
5	3				133	250	25								114	277	0	17
5	4				99	228	25								70	266	0	16
	Totals				652	670	113								587	770	0	78

6	1				119	129	22								108	146	0	16
6	2				125	164	26								109	189	0	17
6	3				192	155	35								185	173	0	24
6	4				122	252	24								96	285	0	17
	Totals				558	700	107								498	793	0	74
7	1				178	152	30								166	167	0	27
7	2				189	115	43								187	135	0	25
7	3				99	266	31								81	292	0	23
7	4				142	135	37								118	167	0	29
	Totals				608	668	141								552	761	0	104
8	1				167	164	29								144	202	0	14
8	2				164	232	31								116	294	0	17
8	3				345	68	49								341	83	0	38
	Totals				676	464	109								601	579	0	69
9	1				156	264	31								103	326	0	22
9	2				230	200	27								205	231	0	21
9	3				248	164	36								214	206	0	28
	Totals				634	628	94								522	763	0	71
10	1				125	279	17								100	309	0	12
10	2				115	247	17								80	286	0	13
10	3				224	50	39								226	60	0	27
	Totals				464	576	73								406	655	0	52
11	1				197	251	29								167	285	0	25
11	2				297	142	46								314	143	0	28
11	3				283	36	46								286	54	1	24
	Totals				777	429	121								767	482	1	77
	Grand Totals				4,369	4,135	758								3,933	4,803	1	525

Dem.—Democratic

Rep.—Republican

STATE ELECTION, NOVEMBER 7, 1911—*Continued*

REPRESENTATIVES IN GENERAL COURT

		First Middlesex Dist.			Second Middlesex District							Third Middlesex District								
WARD	PRECINCT	John E. Quinn, of Cambridge, Dem.	Joseph J. Reed, of Cambridge, Dem.	Blank	James W. Bean, of Cambridge, Rep.	Mark R. Delaney, of Cambridge, Dem.	John T. Lynch, of Cambridge, Dem.	Robert H. O'Neil of Cambridge, Dem.	Henry J. Winslow, of Cambridge, Rep.	Charles J. Wood, of Cambridge, Rep.	Blank	John P. Brennan, of Cambridge, Dem.	Russell D. Crane, of Cambridge, Rep.	George L. Dow, of Cambridge, Rep.	John L. G. Glynn, of Cambridge, Dem.	Michael M. O'Connor, of Cambridge, Dem.	C. Burnside Seagrave, of Cambridge, Rep.	Archibald Howe	Hollis R. Bailey	Blank
1	1	260	258	102																
1	2	282	249	165																
	Totals	542	507	267																
2	1	306	302	174																
2	2	257	243	130																
	Totals	563	545	304																
3	1	247	248	127																
3	2	198	206	78																
3	3	265	260	151																
3	4	200	206	178																
	Totals	910	920	534																
4	1				40	132	132	132	42	39	140									
4	2				116	122	116	138	108	111	123									
4	3				115	128	111	123	114	112	158									
4	4				140	115	120	138	128	129	127									
	Totals				411	497	479	531	392	391	548									
5	1				91	176	181	180	76	75	133									
5	2				133	171	180	180	124	123	202									
5	3				272	94	99	99	266	272	122									
5	4				266	59	63	56	263	271	78									

6	1				123	88	94	101	134	132	138									
6	2				177	90	94	96	178	189	121									
6	3				156	158	152	158	184	175	163									
6	4				262	87	88	91	276	285	105									
	Totals				718	423	428	446	772	789	527									
7	1				159	138	144	142	163	177	157									
7	2				119	165	171	168	124	132	162									
7	3				264	65	70	76	278	293	142									
7	4				151	98	103	107	163	161	159									
	Totals				693	466	488	493	728	763	620									
8	1											139	191	196	133	137	182	0	0	102
8	2											145	263	277	121	110	249	0	0	116
8	3											361	72	69	335	327	65	0	0	157
	Totals											645	526	542	589	574	496	0	0	375
9	1											113	286	289	105	101	287	1	1	170
9	2											204	227	224	193	189	209	0	0	125
9	3											230	180	171	214	212	180	0	0	157
	Totals											547	693	684	512	502	676	1	1	452
10	1											105	291	297	105	91	294	0	0	80
10	2											84	264	271	82	70	283	0	0	83
10	3											218	50	52	224	193	58	0	0	144
	Totals											407	605	620	411	354	635	0	0	307
11	1											160	261	250	166	146	270	0	0	178
11	2											287	147	140	285	287	142	0	0	167
11	3											276	37	25	275	262	45	0	0	175
	Totals											723	445	415	726	695	457	0	0	520
Grand Totals		2,015	1,972	1,105	2,584	1,886	1,918	1,985	2,621	2,676	2,230	2,322	2,269	2,261	2,238	2,125	2,264	1	1	1,654

Dem.—Democrat

Rep.—Republican

STATE ELECTION, NOVEMBER 7, 1911—*Concluded*

		COUNTY COMMISSIONERS				CLERK OF COURTS			REGISTER OF DEEDS				CHAP. 75, RESOLVE Voting Machines			CHAP. 91, RESOLVE Taking Lands for Highways		
WARD	PRECINCT	Charles J. Barton, of Melrose, Dem.	Levi S. Gould, of Melrose, Rep.	Blank	Arthur B. Burns	William C. Dillingham, of Malden, Rep.	Thomas F. Kearns, of Waltham Dem. Pro.	Blank	Edwin O. Childs, of Newton, Rep.	Charles Leo. Shea, of Somerville, Dem.	Arthur B. Burns	Blank	Yes	No	Blank	Yes	No	Blank
1	1	253	18	39	0	22	255	33	20	232	0	58	69	166	75	63	157	90
1	2	252	41	55	0	62	242	44	53	230	0	65	110	118	120	111	104	133
	Totals	505	59	94	0	84	497	77	73	462	0	123	179	284	195	174	261	223
2	1	318	28	45	0	39	307	45	33	279	0	79	135	123	133	118	123	150
2	2	244	24	47	0	25	246	44	24	224	0	67	97	97	121	90	100	125
	Totals	562	52	92	0	64	553	89	57	503	0	146	232	220	254	208	223	275
3	1	239	22	50	0	27	237	47	21	236	0	54	97	97	117	89	102	120
3	2	205	11	25	0	15	200	26	17	184	0	40	70	100	71	52	112	77
3	3	249	46	43	0	50	245	43	46	237	0	55	119	114	105	109	108	121
3	4	206	47	39	0	58	195	39	51	195	0	46	94	94	104	79	120	93
	Totals	899	126	157	0	150	877	155	135	852	0	195	380	405	397	329	442	411
4	1	139	42	38	0	46	139	34	39	136	0	44	58	76	85	46	77	96
4	2	143	105	30	0	108	142	28	105	136	0	37	116	73	89	98	78	102
4	3	142	104	41	0	115	141	31	110	134	0	43	94	107	86	94	147	46
4	4	139	127	33	0	132	136	31	122	131	0	46	144	77	78	132	69	98
	Totals	563	378	142	0	401	558	124	376	537	0	170	412	333	338	370	371	342
5	1	194	80	30	0	82	195	27	83	185	0	36	130	82	92	102	92	110
5	2	213	117	41	0	123	206	42	129	197	0	45	150	112	109	137	116	118
5	3	120	251	37	0	273	103	32	269	102	0	37	215	74	119	191	90	127
5	4	79	243	29	1	259	73	20	257	63	0	31	212	64	76	212	64	76
	Totals	606	691	137	1	737	577	121	738	547	0	149	707	332	396	642	362	431

6	1	107	127	36	0	128	107	35	121	105	0	44	100	83	89	101	82	87
6	2	106	177	32	0	185	104	26	183	93	0	39	156	69	90	140	73	102
6	3	185	156	41	0	161	184	37	156	175	0	51	145	139	98	139	120	123
6	4	106	259	33	0	273	94	31	267	90	0	41	205	93	100	179	100	119
	Totals	504	719	142	0	747	489	129	727	463	0	175	606	384	375	559	375	431
7	1	164	156	40	0	157	159	44	167	150	0	43	172	101	87	148	107	105
7	2	185	119	43	0	121	183	43	119	177	0	51	113	120	114	102	114	131
7	3	85	273	38	0	284	76	36	288	69	0	39	232	81	83	210	83	103
7	4	119	156	39	0	155	16	43	159	99	0	56	139	74	101	117	94	103
	Totals	553	704	160	0	717	534	166	733	495	0	189	656	376	385	577	398	442
8	1	150	181	29	0	198	134	28	199	122	0	39	192	84	84	175	94	91
8	2	146	258	23	0	268	139	20	263	125	0	39	244	82	101	228	98	101
8	3	336	70	56	0	77	327	58	78	316	0	68	134	149	179	103	173	186
	Totals	632	509	108	0	543	600	106	540	563	0	146	570	315	364	506	365	378
9	1	133	281	37	0	307	110	34	299	104	0	48	278	79	94	241	103	107
9	2	222	193	42	0	225	194	38	220	180	0	57	227	106	124	202	118	137
9	3	235	180	33	0	186	226	36	188	205	0	55	206	126	116	197	120	137
	Totals	590	654	112	0	718	530	108	707	489	0	160	711	311	334	640	341	381
10	1	116	283	22	0	304	98	19	307	90	0	24	258	74	89	234	86	101
10	2	98	263	18	0	275	88	16	283	71	0	25	226	64	89	211	72	96
10	3	209	48	56	0	51	206	56	61	186	0	66	92	104	117	82	116	115
	Totals	423	594	96	0	630	392	91	651	347	0	115	576	242	295	527	274	312
11	1	180	248	49	0	262	177	38	256	165	0	56	251	87	139	219	114	144
11	2	294	136	55	0	145	294	46	140	280	0	65	215	135	135	189	154	142
11	3	285	35	45	0	34	294	37	35	269	0	61	117	129	119	107	126	132
	Totals	759	419	149	0	441	465	121	431	714	0	182	583	351	393	515	394	418
	Grand Totals	6,596	4,905	1,389	1	5,232	6,372	1,287	5,168	5,972	0	1,750	5,612	3,553	3,726	5,047	3,806	4,038

Dem.—Democratic Pro.—Prohibition Rep.—Republican

MUNICIPAL ELECTION, MARCH 12, 1912

		MAYOR						ASSESSOR						LICENSE QUESTION			SCHOOL COMMITTEE					
																	At Large				District 1	
	Whole number of ballots cast	J. Edward Barry, Dem.	Marshall F. Blanchard, Rep.	Marshall F. Blanchard, Y. M. P. M.	Marshall F. Blanchard	John Fitzpatrick	Blank	Charles A. Crown, Jr., Rep.	Edmund T. Dana, Soc.	William M. Hogan, Dem.	George H. Mahady, Y. M. P. M.	Blank	J. Meyers	Yes	No	Blank	Number of ballots cast	Joseph H. Beale, Rep. Y. M. P. M.	John W. Bradley, Dem.	Blank	John F. Gadsby, Dem.	Blank
WARD 1																						
Precinct 1	287	252	27	2	1	1	4	25	2	243	3	14	0	149	111	27	331	39	273	19	259	90
Precinct 2	324	255	51	3	1	7	7	58	9	240	3	14	0	140	154	30	349	74	255	20	265	66
Totals ...	611	507	78	5	2	8	11	83	11	483	6	28	0	289	265	57	680	113	528	39	524	156
WARD 2																						
Precinct 1	368	312	38	5	0	8	5	50	10	293	5	10	0	162	176	30	441	67	354	20	346	95
Precinct 2	307	251	25	20	1	3	7	39	3	247	10	8	0	119	168	20	403	50	336	17	292	111
.	675	563	63	25	1	11	12	89	13	540	15	18	0	281	344	50	844	117	690	37	638	206
WARD 3																						
Precinct 1	299	244	31	6	1	9	8	40	7	232	9	11	0	163	106	30	396	39	331	26	324	72
Precinct 2	248	201	28	7	0	5	7	24	5	204	2	13	0	138	84	26	307	32	261	14	259	48
Precinct 3	343	261	43	2	1	12	4	60	9	238	8	8	0	134	161	28	411	64	329	18	327	84
Precinct 4	293	224	46	7	0	11	5	54	10	209	5	15	0	144	127	22	357	79	259	19	266	91
Totals ...	1,163	930	148	22	2	37	24	178	31	883	24	47	0	579	478	106	1,471	214	1,180	77	1,176	295
WARD 4																						
Precinct 1	213	172	32	1	0	5	3	40	6	154	4	9	0	129	64	20	239	48	172	19		
Precinct 2	280	174	77	12	2	14	1	98	19	146	7	10	0	101	154	25	384	166	206	12		
Precinct 3	271	167	80	6	0	14	4	96	17	142	3	13	0	124	129	18	359	146	192	21		
Precinct 4	284	153	114	8	0	6	3	139	5	125	3	12	0	75	195	14	400	211	181	8		
Totals ...	1,048	666	303	27	2	39	11	373	47	567	17	44	0	429	542	77	1,382	571	751	60		
WARD 5																						
Precinct 1	297	205	68	8	1	8	7	83	10	191	3	10	0	111	167	19	396	112	275	9		
Precinct 2	355	231	95	12	0	5	12	120	11	202	8	14	0	87	251	17	491	184	293	14		
Precinct 3	391	163	209	7	2	5	5	250	12	108	8	13	0	77	299	15	613	419	181	13		
Precinct 4	321	98	204	11	0	5	3	250	7	53	7	4	0	55	253	13	505	406	91	8		
Totals ...	1,364	697	576	38	3	23	27	730	40	554	26	41	0	330	970	64	2,005	1,121	840	44		

WARD 6																					
Precinct 1	245	132	80	11	1	14	7	100	18	102	6	10	0	117	112	16	284	147	124	13		
Precinct 2	275	129	121	12	0	8	5	152	16	94	3	10	0	100	149	26	374	228	135	11		
Precinct 3	364	200	130	17	1	10	6	159	9	175	4	17	0	130	216	18	533	262	258	13		
Precinct 4	376	136	208	22	4	3	3	260	7	93	7	9	0	88	274	14	573	411	154	8		
Totals	1,260	697	539	62	6	35	21	680	50	464	20	46	0	435	751	74	1,764	1,048	671	45		
WARD 7																						
Precinct 1	338	187	132	9	1	6	3	164	12	147	5	9	1	117	200	21	513	272	229	12		
Precinct 2	343	229	87	12	1	8	6	111	7	195	13	17	0	164	145	34	466	177	268	21		
Precinct 3	378	110	238	18	4	4	4	276	7	69	6	20	0	108	257	13	641	526	103	12		
Precinct 4	313	166	100	35	4	2	6	160	9	118	11	15	0	106	179	28	454	252	191	11		
Totals ...	1,372	692	557	74	10	20	19	711	35	529	35	61	1	495	781	96	2,074	1,227	791	56		
WARD 8																						
Precinct 1	311	144	134	18	6	6	3	156	14	121	9	11	0	76	215	20	526	328	188	10		
Precinct 2	383	145	204	20	2	7	5	231	15	112	12	13	0	90	279	14	604	410	184	10		
Precinct 3	456	368	61	10	0	3	14	66	12	341	10	27	0	266	158	32	590	116	450	24		
Totals	1,150	657	399	48	8	16	22	453	41	574	31	51	0	432	652	66	1,720	854	822	44		
WARD 9																						
Precinct 1	378	130	205	24	1	10	8	247	17	94	9	11	0	96	265	17	688	526	154	8		
Precinct 2	405	239	138	15	5	5	3	182	19	178	19	7	0	121	266	18	694	453	234	7		
Precinct 3	414	245	152	0	0	9	8	162	11	189	37	15	0	122	259	33	635	293	326	16		
Totals	1,197	614	495	39	6	24	19	591	47	461	65	33	0	339	790	68	2,017	1,272	714	31		
WARD 10																						
Precinct 1	367	123	215	21	5	3	0	258	7	76	13	13	0	59	294	14	624	504	116	4		
Precinct 2	330	88	205	21	5	6	5	235	11	61	18	5	0	52	264	14	568	460	99	9		
Precinct 3	293	242	44	1	0	2	4	51	3	208	16	15	0	158	109	26	399	77	315	7		
Totals	990	453	464	43	10	11	9	544	21	345	47	33	0	269	667	54	1,591	1,041	530	20		
WARD 11																						
Precinct 1	424	166	226	15	2	12	3	256	20	131	8	9	0	119	288	17	624	372	246	6		
Precinct 2	458	324	108	14	0	8	4	131	13	294	6	14	0	179	260	19	714	182	519	13		
Precinct 3	375	330	25	2	4	8	6	34	12	309	6	14	0	193	148	34	585	60	513	12		
Totals	1,257	820	359	31	6	28	13	421	45	734	20	37	1	491	696	70	1,923	614	1,278	31	2,338	659
Grand Totals..	12,087	7,196	3,981	414	56	252	188	4,826	381	6,134	306	439	1	4,369	6,936	782	17,471	8,192	8,795	484		

Dem.—Democratic

Rep.—Republican

Y. M. P. M.—Young Men's Progressive Municipal

CANDIDATES FOR ALDERMEN

WARD	PRECINCT	George B. Whitmore, Y. M. P. M. Rep.	Charles H. Millner, Y. M. P. M. Rep.	Saul Beaumont, Soc.	Peter J. Nelligan, Y. M. P. M. Dem.	William H. Joyce, Rep.	Hyman Pill, Y. M. P. M.	Samuel Sagerman, Soc.	Gilbert A. Terry, Y. M. P. M.	William Danehy, Dem.	Michael M O'Connor, Dem.	Dennis J. Callahan, Dem.	Charles E. Carruth, 2nd, Y. M. P. M. Rep.	Oliver D. Clary, Rep. Y. M. P. M.	James S. Crawford, Rep.	Henry Garland, Soc.	Willard P. Cooney, Soc.	Patrick J. Curley, Dem.	James T. Barrett, Dem.	Charles F. Gaffney, Dem.
1	1	23	19	3	212	39	14	3	11	222	222	215	22	93	21	0	4	202	218	228
1	2	54	41	13	206	50	19	14	14	210	206	204	42	94	42	14	10	202	210	244
	Totals	77	60	16	418	89	33	17	25	432	428	419	64	187	63	14	14	404	428	472
2	1	48	36	12	258	51	24	9	10	252	262	250	34	109	31	9	12	235	258	252
2	2	35	24	7	212	42	22	12	7	217	219	215	28	73	27	5	14	201	221	237
	Totals	83	60	19	470	93	46	21	17	469	481	465	62	182	58	14	26	436	479	489
3	1	33	24	8	188	48	41	12	13	195	204	191	26	52	23	6	10	192	208	201
3	2	28	21	7	156	55	39	6	8	171	166	158	21	52	20	7	5	174	167	169
3	3	46	31	15	213	76	46	12	13	218	220	217	46	55	40	12	11	215	233	214
3	4	54	34	13	178	64	53	10	16	178	182	172	42	51	41	11	10	177	189	177
	Totals	161	110	43	735	243	179	40	50	762	772	738	135	210	124	36	36	758	797	761
4	1	36	22	8	140	39	14	6	12	164	147	145	29	25	29	5	5	150	142	149
4	2	95	63	14	135	106	42	14	28	146	128	126	88	68	92	23	12	27	127	131
4	3	93	67	19	138	103	26	19	27	137	132	132	84	72	85	17	15	133	123	128
		129	85	11	129	133	30	13	37	127	117	111	116	94	116	10	11	119	123	111
	Totals	353	237	52	542	381	112	52	104	574	524	514	317	259	322	55	43	529	515	519
5	1	78	58	10	170	77	43	10	18	181	180	167	72	78	65	12	11	164	161	182
5	2	113	81	8	193	119	57	5	31	194	200	179	109	113	97	8	7	187	196	176
5	3	253	189	10	131	215	55	11	56	109	106	96	232	189	226	10	12	100	112	99
5	4	245	178	13	64	221	37	8	57	54	50	41	226	170	226	9	12	49	54	45
	Totals	689	506	41	558	632	192	34	162	538	536	483	639	550	614	39	42	500	523	502

6	1	105	66	28	106	108	27	24	28	112	107	98	96	75	89	22	21	100	105	100
6	2	157	112	14	108	133	32	14	46	97	101	90	142	109	129	13	11	90	95	90
6	3	163	106	21	176	143	36	17	40	173	170	160	142	104	132	16	18	167	161	153
6	4	262	191	11	103	232	55	9	62	93	98	85	235	175	232	12	8	98	96	86
	Totals	687	475	74	493	616	150	64	176	475	476	433	615	463	572	63	58	455	457	429
7	1	162	122	15	152	144	35	12	54	149	144	141	157	123	142	11	10	150	141	142
7	2	103	100	9	192	89	33	8	57	191	177	176	113	73	93	7	9	198	168	188
7	3	275	221	9	91	238	66	13	95	69	68	65	284	199	241	9	7	69	69	59
7	4	169	122	11	126	127	54	9	49	118	107	106	179	105	132	11	8	110	107	97
	Totals	709	565	44	561	598	188	42	255	527	496	488	733	500	608	38	34	527	485	486
8	1	169	135	8	137	137	38	9	50	117	114	113	156	136	140	11	11	117	122	108
8	2	240	187	12	124	215	47	9	58	100	96	105	226	178	214	12	12	103	108	97
8	3	80	60	7	319	73	23	9	38	325	315	312	85	61	67	5	8	344	308	311
	Totals	489	382	27	580	425	108	27	138	542	525	530	467	375	421	28	31	564	538	516
9	1	254	190	14	110	227	56	12	67	84	85	81	257	175	226	18	11	91	93	78
9	2	206	173	11	201	174	40	11	48	176	170	165	204	150	176	13	11	187	166	157
9	3	169	137	10	209	145	30	13	40	206	185	188	157	139	141	8	9	222	181	179
	Totals	629	500	35	520	546	126	36	155	466	440	434	618	473	543	39	31	500	440	414
10	1	264	211	5	117	231	48	5	59	83	82	76	255	202	245	6	7	82	86	74
10	2	242	201	11	95	198	56	10	73	64	65	68	230	183	218	14	6	65	72	60
10	3	52	34	9	208	36	16	6	15	208	197	201	46	39	42	8	6	236	194	198
	Totals	558	446	25	420	465	120	21	147	355	344	345	531	424	505	28	19	383	352	332
11	1	251	198	18	170	226	49	17	76	131	130	138	238	175	233	17	19	133	129	119
11	2	128	93	14	304	122	29	14	32	275	292	297	112	90	133	11	12	290	290	268
11	3	36	27	14	314	38	15	15	18	299	287	289	28	30	30	11	11	311	274	287
	Totals	415	318	46	788	386	93	46	126	705	709	734	378	295	396	39	42	734	693	674
	Grand Totals	4,850	3,659	422	6,085	4,474	1,347	400	1.355	5,845	5,731	5,583	4,559	3,918	4,226	393	376	5,790	5,707	5,594

Dem.—Democratic Rep.—Republican Y. M. P. M.—Young Men's Progressive Municipal

CANDIDATES FOR ALDERMEN—*Concluded*

WARD	PRECINCT	G. Harry Hodgkins, Rep.	Charles J. Richels, Soc.	Robert H. O'Neil, Dem.	George Stephens, Rep. Y. M. P. M.	Thomas A. Glennon, Dem.	Rudolf Wermont, Soc.	Farwell E. Thayer, Rep.	Watson White, Soc.	Dennis F. Hurley, Dem.	Philip R. Ammidon, Rep. Y. M. P. M.	Solomon H. Barnard, Rep. Y. M. P. M.	John Tiefenthal, Jr., Soc.	Jeremiah Corkery, Dem.	Early M. Perry, Y. M. P. M.	John H. Corcoran	Francis J. Carney	Prof. Munroe	Blank
1	1	46	2	205	14	204	1	21	2	197	7	17	2	213	12	0	0	0	443
1	2	55	11	194	34	200	9	43	9	195	24	31	10	194	6	0	0	0	660
Totals		101	13	399	48	404	10	64	11	392	31	48	12	407	18	0	0	0	1,103
2	1	55	6	244	21	245	4	29	7	258	26	28	6	254	5	0	0	0	708
2	2	38	7	206	13	213	4	25	6	205	12	15	2	210	3	0	0	0	600
Totals		93	13	450	34	458	8	54	13	463	38	43	8	464	8	0	0	0	1,308
3	1	55	7	190	15	188	9	23	11	204	15	21	9	197	6	0	0	0	664
3	2	44	7	176	16	160	3	22	5	163	12	18	6	160	6	0	0	0	500
3	3	54	12	216	33	207	8	36	9	212	34	28	9	209	15	0	0	0	538
3	4	55	7	179	28	168	10	37	10	178	24	30	10	179	12	0	0	0	644
Totals		208	33	761	92	723	30	118	35	757	85	97	34	745	39	0	0	0	2,046
4	1	28	4	141	22	140	3	30	7	140	17	18	4	145	7	0	0	0	370
4	2	85	9	143	65	135	14	81	12	119	50	57	8	135	35	1	1	1	564
4	3	84	14	128	64	130	16	81	14	129	55	65	15	128	23	0	0	0	485
4	4	120	10	138	82	129	8	115	9	111	79	78	8	121	43	0	0	0	451
Totals		317	37	550	233	534	41	307	42	499	201	218	35	529	108	1	1	1	1,870
5	1	86	6	163	55	171	7	66	11	164	46	50	7	168	26	0	0	0	504
5	2	102	6	188	81	186	4	94	4	171	77	70	6	195	26	0	0	0	622
5	3	231	8	85	204	101	6	232	11	90	181	172	10	104	67	0	0	0	588
5	4	232	7	51	192	50	5	229	6	44	191	181	5	59	78	0	0	0	442
Totals		651	27	487	532	508	22	621	32	469	495	473	28	526	197	0	0	0	2,156

6	1	86	17	104	66	113	19	86	18	109	54	68	14	102	25	0	0	0	397
6	2	130	13	100	95	112	13	130	13	91	88	90	10	100	52	0	0	0	493
6	3	140	15	159	102	191	16	132	15	145	78	104	16	166	44	0	0	0	583
6	4	209	12	84	184	114	12	226	8	94	171	191	7	103	68	0	0	0	520
Totals		565	57	447	447	530	60	574	54	439	391	453	47	471	191	0	0	0	1,903
7	1	147	8	123	119	144	8	142	13	135	114	106	11	154	57	0	0	0	431
7	2	90	7	171	71	190	6	86	10	182	59	71	9	204	35	0	0	0	598
7	3	240	8	57	198	80	8	249	9	63	189	187	8	83	88	0	0	0	544
7	4	127	5	93	93	122	8	123	7	104	80	99	3	133	53	0	0	0	646
Totals		604	28	444	481	536	30	600	39	484	442	463	31	574	233	0	0	0	2,219
8	1	137	7	108	153	108	5	144	11	109	131	124	7	116	52	0	0	0	381
8	2	212	8	99	227	99	9	213	14	102	185	163	12	114	80	0	0	0	530
8	3	71	1	307	76	320	4	67	10	319	45	39	5	337	21	0	0	0	652
Totals		423	16	514	456	527	18	424	35	530	361	326	24	567	153	0	0	0	1,563
9	1	230	11	84	227	82	12	240	17	83	209	182	9	93	74	0	0	0	476
9	2	174	3	161	187	167	8	178	23	171	171	151	13	183	60	0	0	0	347
9	3	142	8	176	142	193	9	147	18	177	126	116	11	196	54	0	0	0	671
Totals		546	32	421	556	442	29	565	58	431	506	449	33	472	188	0	0	0	1,494
10	1	239	6	74	236	76	5	242	11	73	218	212	7	90	81	0	0	0	329
10	2	208	6	56	194	60	7	224	13	53	203	169	8	63	74	0	0	0	361
10	3	34	6	200	37	201	7	41	8	198	29	32	4	208	12	0	0	0	455
Totals		481	18	330	467	337	19	507	32	324	450	413	19	361	167	0	0	0	1,145
11	1	225	18	109	193	114	18	228	21	104	217	169	19	125	81	0	0	0	556
11	2	113	13	260	90	263	11	118	14	273	86	84	14	278	40	0	0	0	575
11	3	36	10	281	20	283	8	26	12	281	15	17	9	277	23	0	0	0	483
Totals		874	41	650	303	660	37	372	47	658	318	270	42	680	144	0	0	0	1,614
Grand Totals		4,363	315	5,453	3,649	5,659	304	4,206	398	5,446	3,318	3,253	313	5,796	1,446	1	1	1	18,721

Dem.—Democratic Rep.—Republican Y. M. P. M.—Young Men's Progressive Municipal

CANDIDATES FOR COMMON COUNCIL

Ward One

	Edward L. Brodie, Rep.	John H. Lynch, Dem.	Joseph J. McElroy, Dem.	Blank
Precinct 1	55	231	242	120
Precinct 2	33	248	226	67
Totals	88	479	468	187

Ward Two

	William J. Ahearn, Dem.	William D. Mullin, Dem.	Blank
Precinct 1	294	294	148
Precinct 2	239	236	139
Totals	533	530	287

Ward Three

	Timothy Desmond, Rep.	Michael J. Mahoney, Dem.	Frank J. McAvoy, Dem.	Charles S. Roberts, Rep.	Blank
Precinct 1	47	205	227	21	98
Precinct 2	50	190	169	23	64
Precinct 3	62	228	237	46	73
Precinct 4	71	206	192	53	64
Totals	230	829	825	143	299

Ward Four

	Clarence W. Dooley Dem.	William H. Lee, Rep.	John P. Stingel, Rep.	Lawrence J. Toomey, Dem.	Blank
Precinct 1	159	32	36	167	32
Precinct 2	195	77	90	160	38
Precinct 3	163	87	96	146	50
Precinct 4	152	115	114	131	56
Totals	669	311	336	604	176

Dem.—Democrat Rep.—Republican Y. M. P. M.—Young Men's Progressive Municipal

CANDIDATES FOR COMMON COUNCIL—*Continued*

Ward Five

	Arthur S. Browne, Rep.	John A. McGee, Dem.	Ernest A. Thompson, Rep.	Blank
Precinct 1	88	187	96	223
Precinct 2	130	190	133	257
Precinct 3	273	93	261	155
Precinct 4	257	50	240	95
Totals	748	520	730	730

Ward Six

	Frederic F. Clauss, Rep.	Charles F. Field, Rep.	Blank
Precinct 1	144	132	214
Precinct 2	179	164	207
Precinct 3	201	179	348
Precinct 4	270	273	209
Totals	794	748	978

Ward Seven

	John J. Farrell, Dem.	George H. Jennings, Rep.	Elmer B. Lincoln, Y.M.P.M. Rep.	Edward Francis Murphy, Dem.	James K. Tweedie	Blank
Precinct 1	142	136	41	148	139	70
Precinct 2	182	83	24	206	94	97
Precinct 3	75	234	63	64	244	76
Precinct 4	118	135	42	112	127	92
Totals	517	588	170	530	604	335

Ward Eight

	Eugene B. Bannan, Dem.	Warren N. Bolster, Y.M.P.M. Rep.	Wayne K. Little, Y.M.P.M. Rep.	Thomas E. O'Hara, Dem.	Blank
Precinct 1	128	172	163	120	39
Precinct 2	99	261	252	101	53
Precinct 3	344	104	81	333	50
Totals	571	537	496	554	142

Dem.—Democrat Rep.—Republican Y. M. P. M.—Young Men's Progressive Municipal

CANDIDATES FOR COMMON COUNCIL—*Concluded*

Ward Nine

	Clarence H. Poor, Jr., Rep.	Roger D. Swaim, Rep.	John Ward, Y.M.P.M. Rep.	Blank
Precinct 1	259	261	114	122
Precinct 2	212	202	193	203
Precinct 3	172	185	198	273
Totals	643	648	505	598

Ward Ten

	John J. Conley, Dem.	Kenneth Page Hill. Y.M.P.M. Rep.	Walter H. Kirby, Rep.	Nelson C. Metcalf, Rep.	Blank
Precinct 1	81	253	79	273	48
Precinct 2	61	240	57	232	70
Precinct 3	206	44	169	48	119
Totals	348	537	305	553	237

Ward Eleven

	Timothy J. Horan, Dem.	William H. King, Rep.	John T. Leahy, Dem.	Harry W. McKay, Rep.	Blank
Precinct 1	132	258	138	258	62
Precinct 2	299	136	297	128	56
Precinct 3	316	45	322	26	41
Totals	747	439	757	412	159

Dem.—Democrat Rep.—Republican Y. M. P. M.—Young Men's Progressive Municipal

NUMBER OF REGISTERED MALE VOTERS BY WARDS, FROM 1897 TO 1911

Ward	November 1897	December 1897	November 1898	December 1898	November 1899	December 1899	November 1900	December 1900	November 1901	December 1901
1	2,362	2,397	2,264	2,333	2,257	2,302	2,492	2,554	2,491	2,566
2	3,797	3,854	3,847	3,949	3,973	4,039	4,492	4.530	4,364	4,461
3	1,885	1,934	2,004	2,060	1,950	2,039	2,081	2,093	1,885	1,939
4	3.000	3 036	2,877	2,979	2,740	2,861	3.003	3,099	2,980	3,083
5	1,686	1,716	1,703	1,776	1,680	1,750	2,007	2,091	2,198	2,244
Totals	12,730	12,937	12,695	13,097	12,600	12,991	14,075	14,367	13,918	14,293

Ward	November 1902	December 1902	November 1903	December 1903	November 1904	December 1904	November 1905	December 1905	November 1906	December 1906	November 1907	December 1907	November 1908	March 1909	November 1909	March 1910	November 1910	March 1911	March 1912
1	878	999	980	1,036	1,007	1,044	995	1,037	977	978	903	926	921	947	862	908	831	873	829
2	912	1,008	1,011	1,108	1,112	1,152	1,038	1,066	989	997	924	940	950	973	923	951	889	920	917
3	1,608	1,700	1,690	1,797	1,840	1,929	1,797	1,834	1,467	1,495	1,460	1,560	1,521	1,584	1,509	1,597	1,428	1,530	1,541
4	1,519	1,621	1,621	1,763	1,726	1,809	1,680	1,777	1,320	1,370	1,349	1,494	1,357	1,437	1,362	1,461	1,369	1.455	1,444
5	1,564	1,622	1,645	1,708	1,715	1,764	1,750	1,825	1,792	1,802	1,718	1,756	1,722	1,776	1,696	1.734	1,738	1,797	1,789
6	1,567	1,747	1,749	1,930	1,931	2,024	1,973	2,084	1,948	1,962	1,859	1,935	1,868	1,933	1,821	1,889	1,780	1,864	1,938
7	1,753	1,899	1,834	1,938	1,946	2,052	1,941	2,038	1,958	1,993	1,869	1,937	1,907	1,967	1,787	1 850	1,785	1 834	1,832
8	1,336	1,510	1,540	1,650	1,682	1,723	1,625	1,713	1,627	1,631	1 597	1,655	1,613	1,638	1,493	1,576	1,474	1,510	1,559
9	1.334	1,428	1,455	1,520	1,507	1,549	1,505	1,547	1,542	1,555	1,515	1 557	1,565	1,607	1,548	1,596	1.596	1,617	1,649
10	1,099	1,142	1,132	1,157	1,173	1.199	1,195	1,223	1,184	1,193	1,172	1,202	1,196	1,231	1,195	1,248	1,255	1,273	1,327
11	1,384	1,463	1,494	1,560	1,586	1,629	1,636	1,696	1,607	1,628	1,537	1,570	1,493	1,535	1,493	1,534	1,542	1,569	1,633
Totals	14,954	16,139	16,151	17,167	17,225	17,874	17,135	17,840	16,411	16,604	15,903	16,532	16,113	16,628	15,689	16,344	15,687	16,242	16,458

REPORT OF SUPERINTENDENT OF PUBLIC BUILDINGS

Cambridge, Mass., April 3, 1912.

Hon. J. Edward Barry, Mayor of the City of Cambridge:—

Dear Sir:—In accordance with the revised ordinances of this city the Superintendent of Public Buildings hereby submits the annual report of the Building Department covering the period from April 1, 1911, to March 31, 1912.

BRATTLE SQUARE BUILDING

The question of accommodations for the district court in this building, which has been the cause of considerable legislation, has been finally settled by the General Court. The county commissioners have been authorized to provide room for the court in one of the group of county buildings. The location provided is in the county jail building.

The removal of the court from this building, together with the possible vacancy which may occur if the electrical department with its fire alarm equipment moves to the proposed fire department headquarters in Inman square, will leave the city in possession of a building twice the size of its present needs. This condition would suggest that something be done to either remodel the building or secure its sale and construct a new building in some other location.

CENTRAL SQUARE BUILDING

Nothing further has been done with this building, as it seems to be quite uncertain what its final disposition will be.

CITY HALL

The following suggestion in last year's report is reaffirmed:

"In order to have all the executive officers of the various city departments under one roof it might be well to consider a plan to construct an addition to City Hall and thereby provide for the Overseers of the Poor, City Physician and the Registrars of Voters."

NEW THORNDIKE SCHOOL

The work of constructing this building has progressed rather slowly. As it now stands it gives every indication of proving to be an ideal school building, complete in every respect.

TUBERCULOSIS HOSPITAL

At the request of the Board of Health the Superintendent of Public Buildings has had charge of the construction of an addition, 35′ 0″x50′ 0″—3 stories high, to the main building of the tuberculosis hospital group on Concord avenue. Plans were prepared by Mr. Charles R. Greco, architect, and the work of construction was carried on in accordance with contracts awarded to the following: General construction, Isaac W. MacArthur, $5,503.00; plumbing, William H. Jellison, $1,654.88; heating, J. J. Hurley & Co., $1,138.00.

The addition will provide on the first floor, shower baths, toilets, a large lounging room for both male and female patients and a large room for a laundry. The entire second floor has been utilized for a dining-room and is connected to the main building by an ell which contains a private pantry and dining-room for the nurses, and the addition to the kitchen. The third floor is occupied by twelve sleeping rooms and bath-rooms for the nurses.

The building as now constructed meets with the approval of the State Board of Trustees of Hospitals for Consumptives and the city is thereby entitled to the subsidy allowed by the Commonwealth.

FLOATING BATH HOUSE

The appropriation by the City Council of the sum of $5,000.00 for the construction of a floating bath house to be located in the Charles River Basin, at a point opposite the East Cambridge embankment, led the Board of Park Commissioners to request the Superintendent of Public Buildings to assume complete charge of this work for them. Mr. James W. Emery, an inspector in the department, prepared the plans for the construction of the building, for which specifications were drawn and bids called for. Mr. Isaac W. MacArthur was the successful bidder in the sum of $4,375.00.

The main building is 80′ 0″x32′ 0″, with a landing across one end 10′ 0″ wide. The bath tank is 19′ 0″ wide, 58′ 0″ long, and 4′ 6″ deep. Twenty-nine (29) lockers have been provided with accommodations along one side of the building for small boys.

As completed the building fills a long-felt want for bathing facilities in the eastern end of the city.

ILLUMINATED SIGNS

The ordinances of the city contain no provision for the erection of swinging or fixed signs suspended from buildings and hanging over the highway. Notwithstanding the lack of authorization, the erection of signs has continued until the practice is nearly universal on the part of storekeepers. As there is a considerable element of danger to pedestrians, it seems as though some action should be taken on the part of the City Council to control the continued erection of these signs.

CONCLUSION

I desire to acknowledge the faithful work of the inspectors of this department, James W. Emery, Leonard D. Garfield, William A. Ford, and the clerk, William H. Sheridan.

Respectfully,

JEREMIAH F. DOWNEY,
Superintendent of Public Buildings.

APPENDIX TO REPORT OF SUPERINTENDENT OF PUBLIC BUILDINGS

INSPECTION OF BUILDINGS

Number of inspections of buildings	2,557
Violations:	
Building, without permit	17
Building too near line of adjoining lot	6
Defective chimneys	10
Defective foundations	12
Defective furnace pipes	15
Defective methods of construction	28
Miscellaneous	21
Dangerous buildings examined and ordered repaired or removed	10
Number of inspections of elevators	470
Number of defects found	13

GAS INSPECTION

Number of gas inspections	979
Number of fits inspected and tested	1,108
Number of jobs found not tight or otherwise not according to ordinance	85

INSPECTION OF PLUMBING

Following is a detailed report of the Inspection of Plumbing Department:

	April 1, 1911 to March 31, 1912
Number of applications received and permits granted	449
Number of tests and inspections	1,968
Number of jobs found defective or otherwise not in accordance with ordinances	12
Number prosecuted for violation of ordinances	0

In addition, the plumbing in all public buildings in process of construction or repair, was subjected to daily inspection.

The annual inspection of the means of egress from tenement houses, lodging houses, hotels, etc., was made in May, and a report made to the Chief of the District Police.

For the purpose of comparing statistics with other cities, as well as for the information of the United States Government and the various trade papers, it has been found most expedient to have the following tables cover the period of the last calendar year.

PERMITS ISSUED IN 1911

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Additions (wood)	5	9	11	23	16	16	11	13	17	8	12	9	150
Additions (brick, stone or concrete)	......	......	1	1	3	2	3	1	2	3	1	......	17
Alterations (wood)	3	4	17	7	4	5	13	8	11	7	2	6	87
Alterations (brick, stone or concrete)	1	......	1	2	......	......	......	4	......	2	3	2	15
Apartment houses (wood)	......	......	......	3	2	1	......	3	1	......	1	2	13
Apartment houses (brick, stone or concrete)	......	......	1	......	1	......	......	......	......	......	......	......	2
Chimneys and stacks	......	......	......	......	......	1	......	......	......	......	......	......	1
Church (stone)	......	1	......	......	......	......	......	......	......	......	......	......	1
Church (wood)	......	......	......	......	......	......	......	......	......	......	......	1	1
Dormitory (brick)	......	......	......	......	......	......	......	......	......	......	1	......	1
Dwellings (wood)	1	1	13	9	13	6	16	20	8	14	11	5	117
Dwellings (brick, stone or concrete)	......	......	......	1	......	1	......	1	......	......	......	1	4
Engines, boilers and motors	......	......	......	......	1	4	1	1	1	1	1	2	12
Factories (wood)	......	......	......	......	......	......	1	1	......	......	......	......	2
Factories (brick, stone or concrete)	2	......	1	......	3	......	3	1	1	3	......	......	14
Garages (wood)	......	......	6	4	4	3	2	2	1	5	3	1	31
Garages (brick, stone or concrete)	......	......	......	......	......	1	......	......	......	1	1	......	3
Heating apparatus	2	......	1	......	......	......	......	2	3	1	4	......	13
Incinerator (wood)	......	......	......	......	......	......	......	......	......	......	......	1	1
Library (stone)	......	......	......	......	......	1	......	......	......	......	......	......	1
Office buildings (wood)	......	......	1	1	......	......	......	......	......	......	......	......	2
Office buildings (brick, stone or concrete)	......	......	1	......	......	......	......	......	......	......	......	......	1
Power Sub-station (brick)	......	......	......	......	......	1	......	......	......	......	......	......	1
Schools (brick)	......	......	1	......	......	......	......	......	......	1	......	......	2
Stables (wood)	......	......	......	2	......	......	......	......	......	......	......	......	2
Stables (brick)	......	......	......	1	......	......	......	......	......	......	......	......	1
Storage (wood)	1	3	4	2	4	......	......	3	3	3	1	6	30
Storage (brick, stone or concrete)	1	......	......	......	......	......	......	......	......	......	1	......	2
Stores (wood)	......	......	......	1	1	......	......	......	1	2	1	......	6
Stores (brick, stone or concrete)	......	......	1	......	......	......	1	1	1	1	1	3	9
Miscellaneous (razed, moved, etc.)	......	......	......	1	4	5	3	1	4	1	4	2	25
Totals	16	18	60	58	56	47	54	62	54	53	48	41	567

ESTIMATED COST OF BUILDING OPERATIONS IN 1911.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Additions (wood)	$2,650	$18,900	$7,500	$8,500	$7,625	$18.550	$15,250	$17,450	$27,125	$15,400	$9,250	$10,500	$158,700
Additions (brick, stone or concrete)	....	....	1,000	300	53,000	31,000	1,850	1,200	33,000	154,000	35,000	....	310,350
Alterations (wood)	2,450	625	19,800	3,250	4,700	5,550	14,000	3,625	21,500	17,000	1,400	3,300	97,200
Alterations (brick, stone or concrete)	500	....	22,000	800	....	....	....	2,250	....	100	14,000	10,250	49,900
Apartment houses (wood)	....	....	....	93,000	24,000	15,000	....	44,000	15,000	....	20,000	45,000	256,000
Apartment houses (brick, stone or concrete)	....	....	14,000	....	150,000	....	....	....	....	....	....	....	164,000
Chimneys and stacks	....	....	....	....	....	3,000	....	....	....	....	....	....	3,000
Church (stone)	....	30,000	....	....	....	....	....	....	....	....	....	....	30,000
Church (wood)	....	....	....	....	....	....	....	....	....	....	....	5,500	5,500
Dormitory (brick)	....	....	....	....	....	....	....	....	....	....	75,000	....	75,000
Dwellings (wood)	7,000	5.000	74.500	48,900	88,100	34,900	96,400	126,000	47,900	71,000	72,250	29,000	700,950
Dwellings (brick, stone or concrete)	....	....	....	18,000	....	12,000	....	50,000	....	....	....	65,000	145,000
Engines, boilers and motors	....	....	....	....	150	1,500	500	150	150	500	250	1,200	4,400
Factories (wood)	....	....	....	....	....	....	1,500	3,500	....	....	....	....	5,000
Factories (brick, stone or concrete)	36,000	....	10,000	....	60,000	....	21,450	50,000	40,000	330,700	....	....	548,150
Garages (wood)	....	....	1,300	1,275	1,300	1,400	600	200	600	1,350	675	50	8,750
Garages (brick, stone or concrete)	....	....	....	....	....	1,000	....	....	....	3,000	400	....	4,400
Heating apparatus	600	....	500	....	....	....	....	4,000	1,000	900	1,500	....	8,500
Incinerator (wood)	....	....	....	....	....	....	....	....	....	....	....	5,000	5,000
Library (stone)	....	....	....	....	....	27,000	....	....	....	....	....	....	27,000
Office Buildings (wood)	....	....	400	300	....	....	....	....	....	....	....	....	700
Office buildings (brick, stone or concrete)	....	....	46,000	....	....	....	....	....	....	....	....	....	46,000
Power Sub-station (brick)	....	....	....	....	....	30,000	....	....	....	....	....	....	30,000
Schools (brick)	....	....	110,000	....	....	....	....	....	....	52,000	....	....	162,000
Stables (wood)	....	....	....	2,700	7,200	....	....	....	....	....	....	....	9,900
Stables (brick)	....	....	....	800	....	....	....	....	....	....	....	....	800
Storage (wood)	50	1,350	2,225	250	....	....	....	250	125	200	500	1,425	6,375
Storage (brick, stone or concrete)	2,000	....	....	....	....	....	....	....	....	900	200	....	3,100
Stores (wood)	....	....	....	4,000	700	....	....	....	100	....	700	....	5,500
Stores (brick, stone or concrete)	....	....	5,000	....	....	....	400	4,000	5,000	3,000	20,000	6,950	44,350
Miscellaneous (razed, moved, etc.)	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals	$51,250	$55,875	$314,225	$182,075	$396,775	$180,900	$151,950	$306,625	$191,500	$650,050	$251,125	$183,175	$2,915,525

REPORT OF BOARD OF APPEAL

April 8, 1912.

Hon. J. Edward Barry, Mayor of the City of Cambridge:—

Sir:—In accordance with the provisions of Section 8 of the Building Ordinances, the Board of Appeal would respectfully report as follows:

During the past year three cases have come before the Board, of which the following is a brief summary.

Bay State Broom Company, 352 Rindge avenue, August 15, 1911. Application for a permit to install and operate a ten-horse-power gasoline engine in building to be erected at above address. Hearing was given petitioners and remonstrants and after visiting the premises on August 16th the Board voted to refuse the permit on the ground "that the use of a ten-horse-power gasoline engine to be used in connection with a factory at this location would tend to sufficiently depreciate the neighboring property for residential purposes to constitute a local public nuisance which ought not to be permitted, as being contrary to a wise public policy."

Richard J. Riley, 82 Hancock street, August 23, 1911. Appeal from decision of Superintendent relative to courts for tenement house. Superintendent refused permit on the ground that the requirements of the ordinance relative to courts were not complied with. After a hearing, the Board voted to refer the case back to the Superintendent, the appellant agreeing to make the matter satisfactory to the Superintendent.

Newhall & Blevins, Agassiz street, March 27, 1912. Petition of Messrs. Newhall & Blevins for the approval of the Superintendent and Board on the use of ten-inch terra cotta blocks for the outside walls of apartment house. Approval was given on condition "that all details of the construction be made satisfactory to the Superintendent."

Complete records of all these cases are on file at the office of the Superintendent of Public Buildings.

The expenses of the Board follow:

William G. Farrow, use of automobile	$6 00
William H. Sheridan, services as clerk	15 00
Total	$21 00

The Board desires to acknowledge the assistance which was rendered by Messrs. Arthur R. Henderson and Thomas F. Tracy during the absence of a member of the Board.

Respectfully submitted,

C. H. BLACKALL,
JOHN B. BYRNE,
H. W. STEARNS,
Board of Appeal.

WM. H. SHERIDAN, *Clerk.*

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